

Figure 1

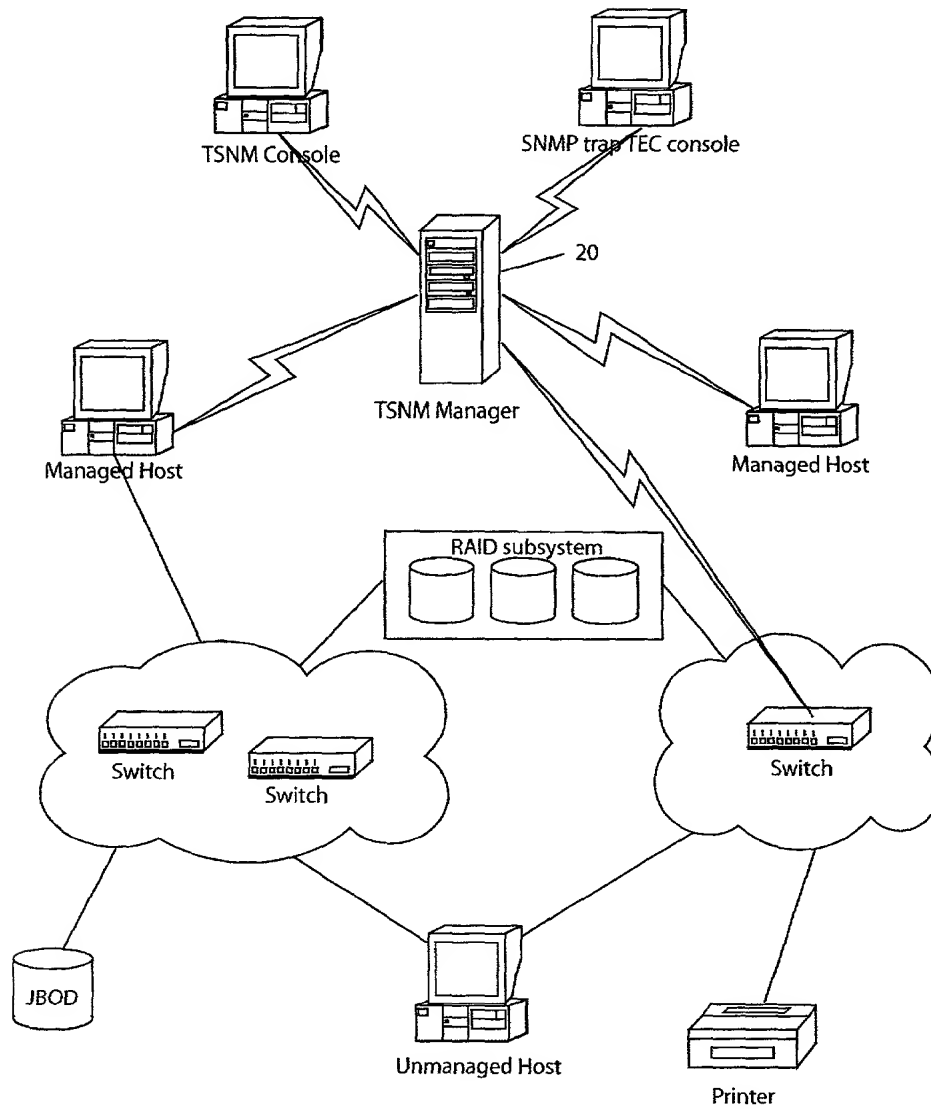


Figure 2

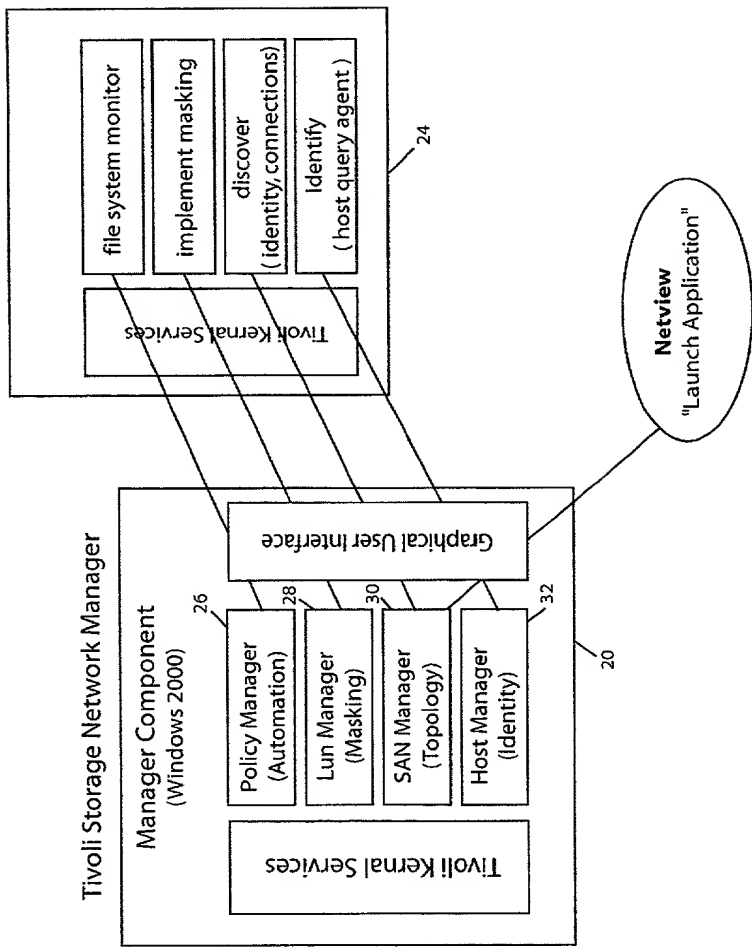


Figure 3

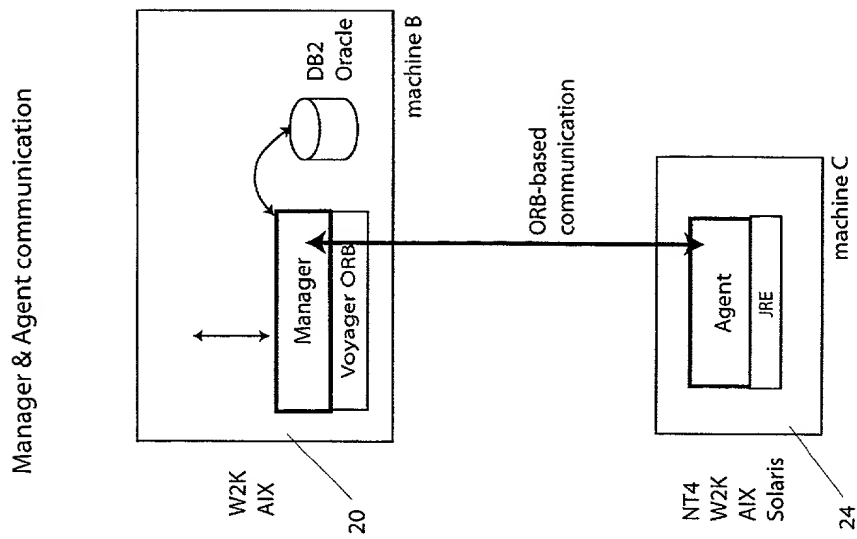


Figure 4

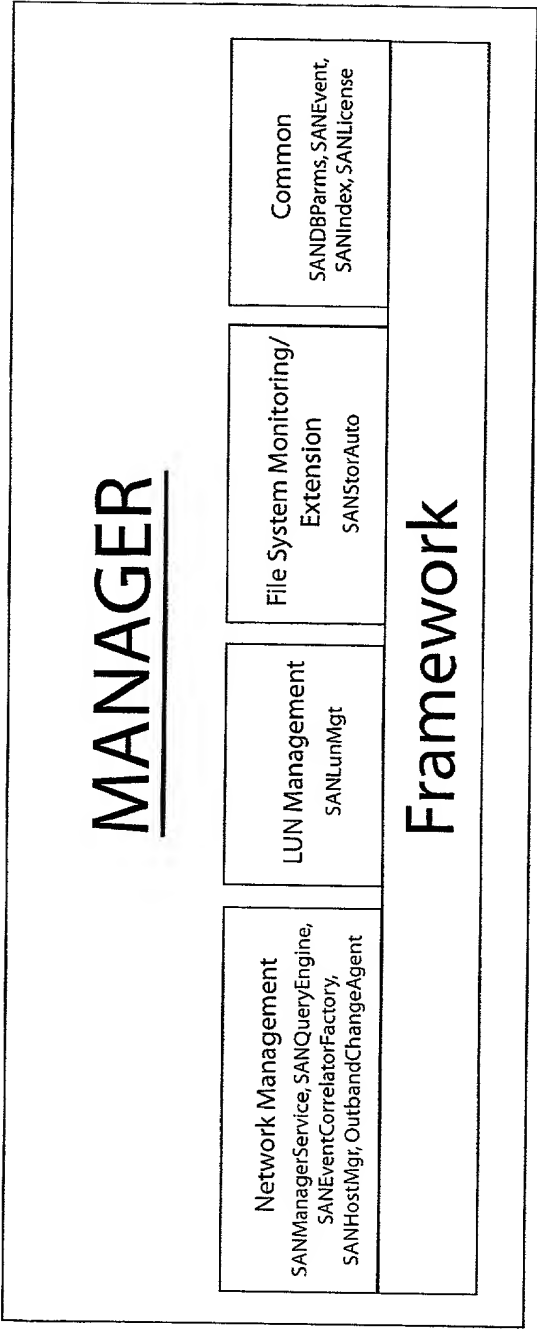


Figure 5

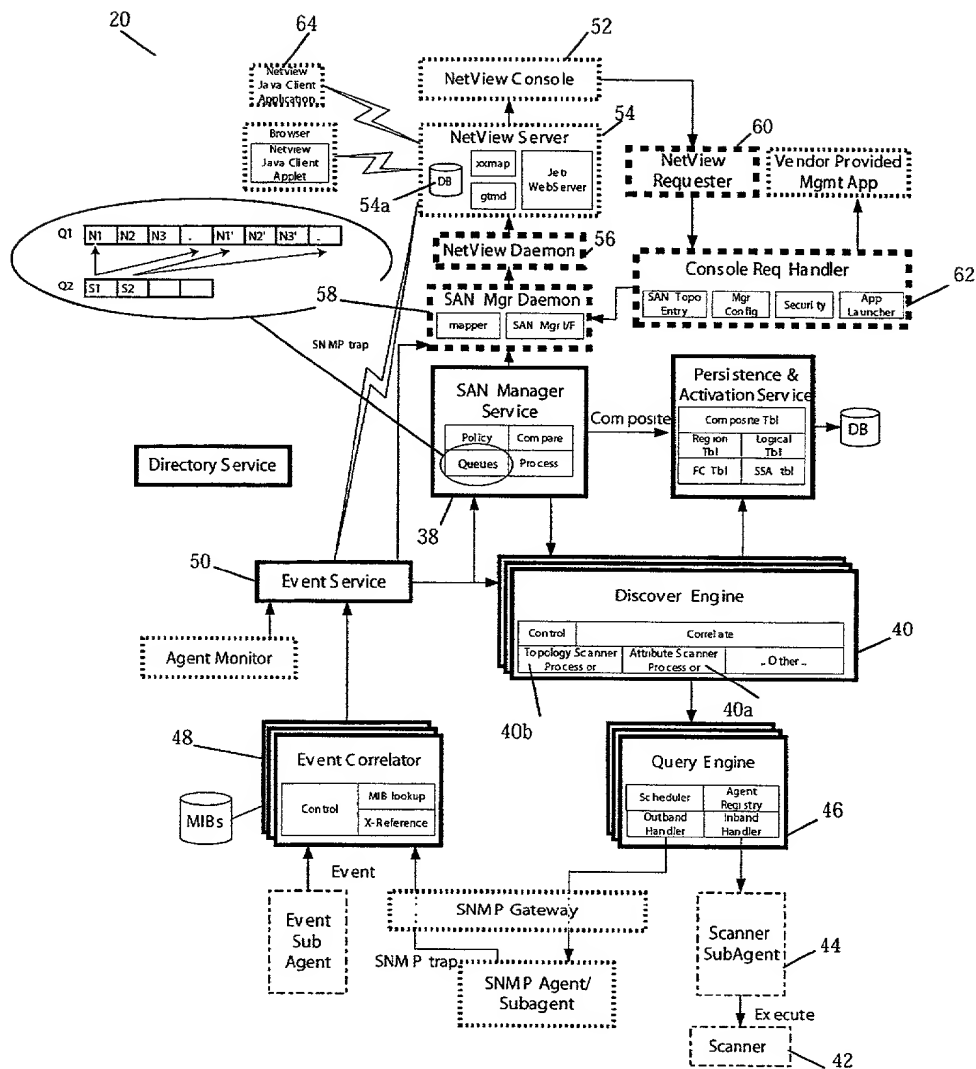


Figure 6

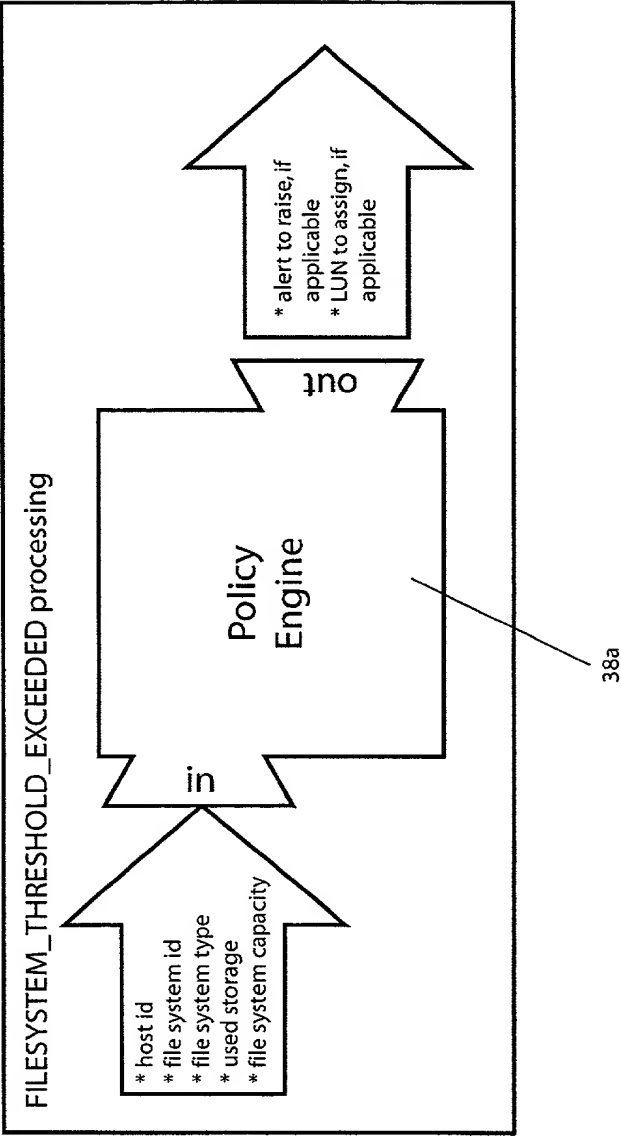


Figure 7A

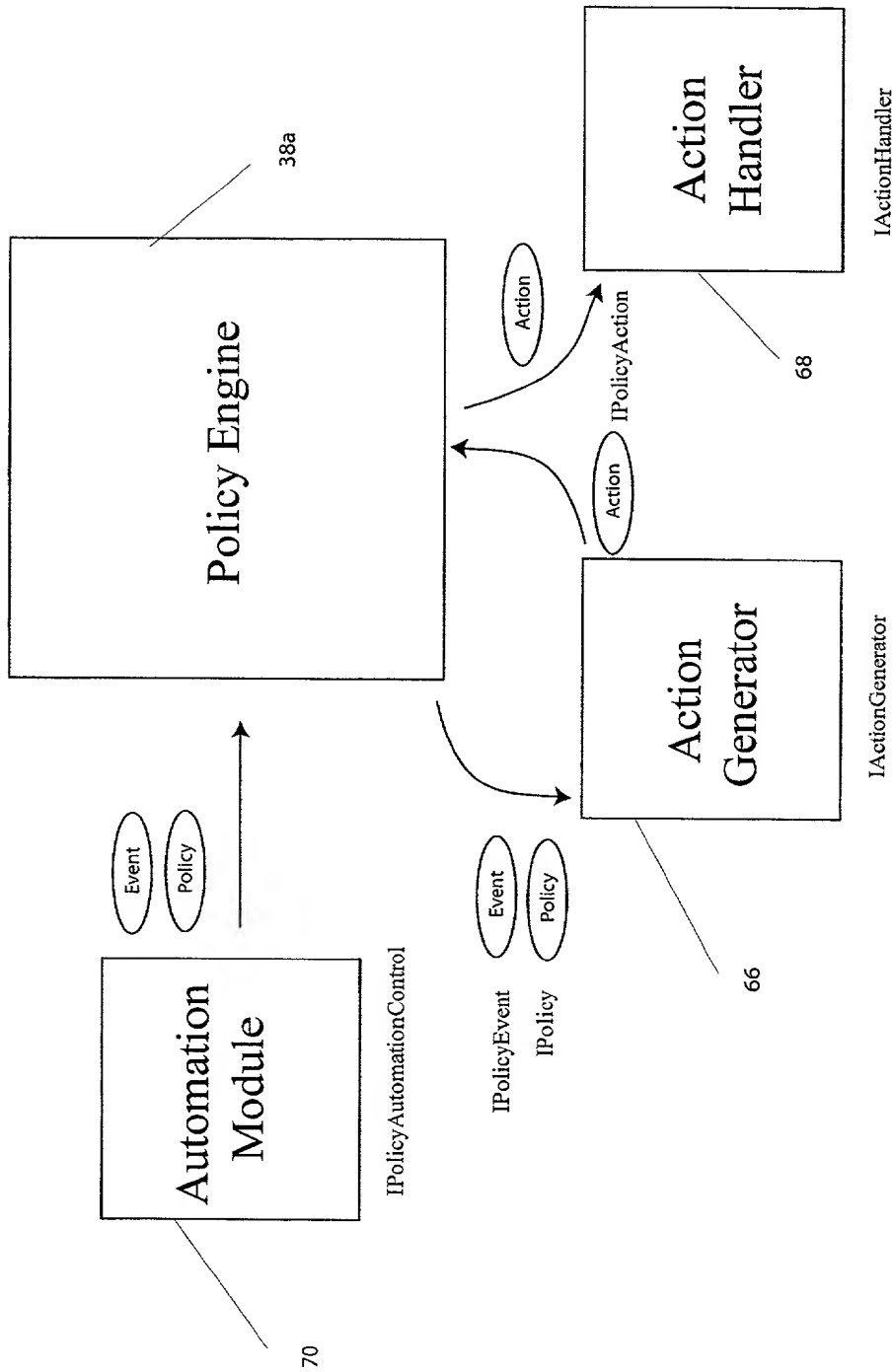


Figure 7B



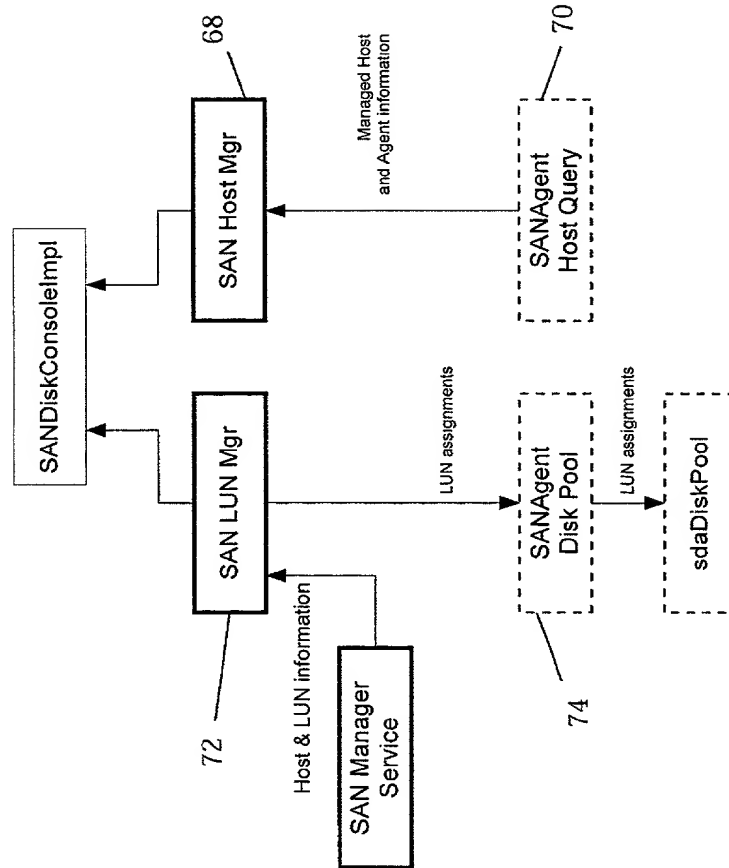


Figure 8

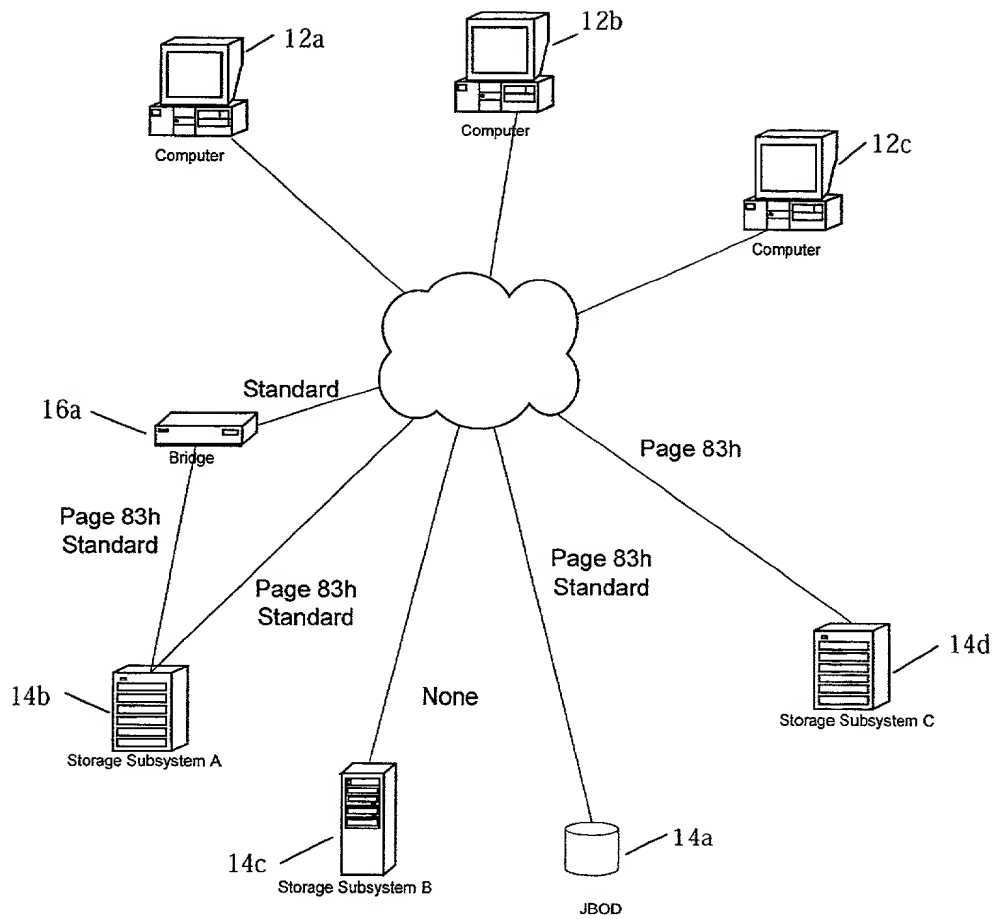
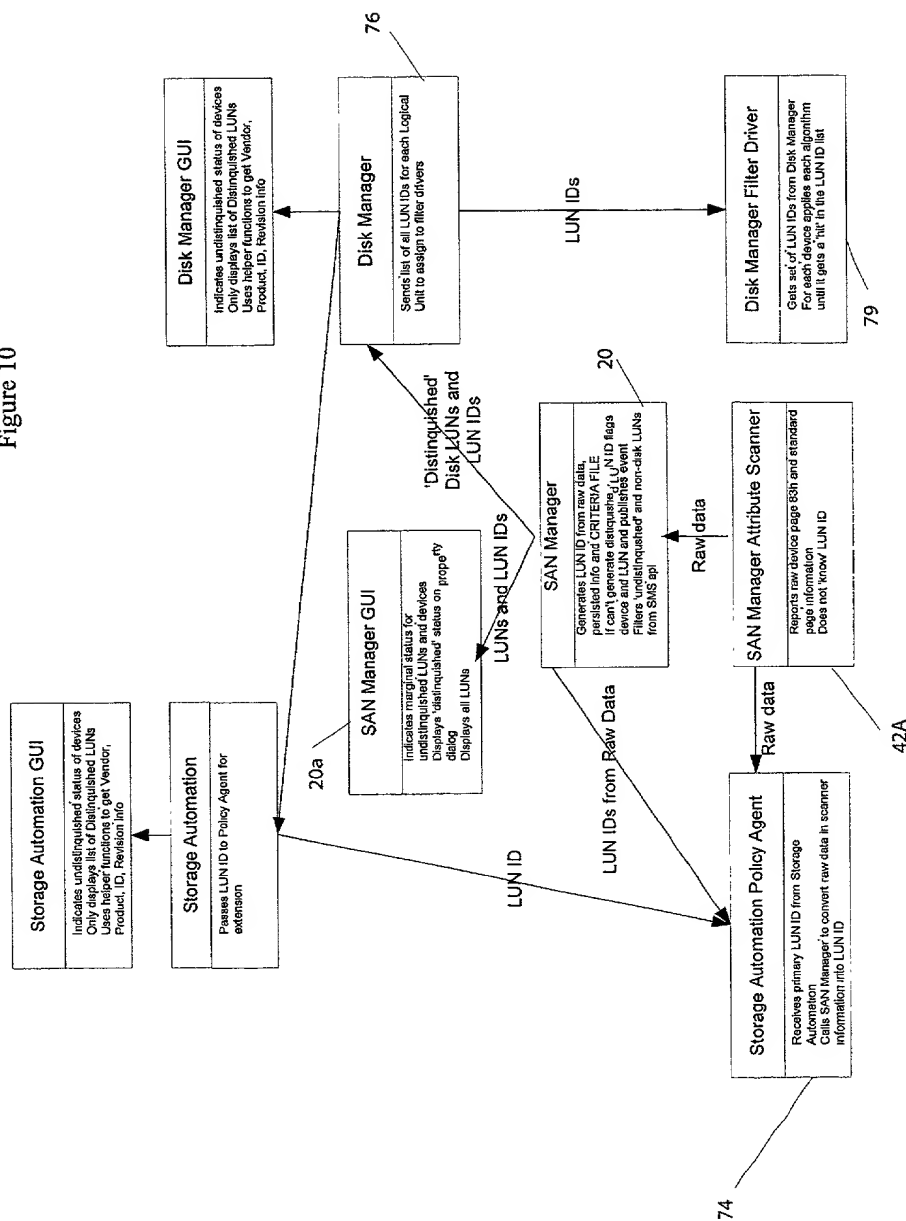


Figure 9

Figure 10



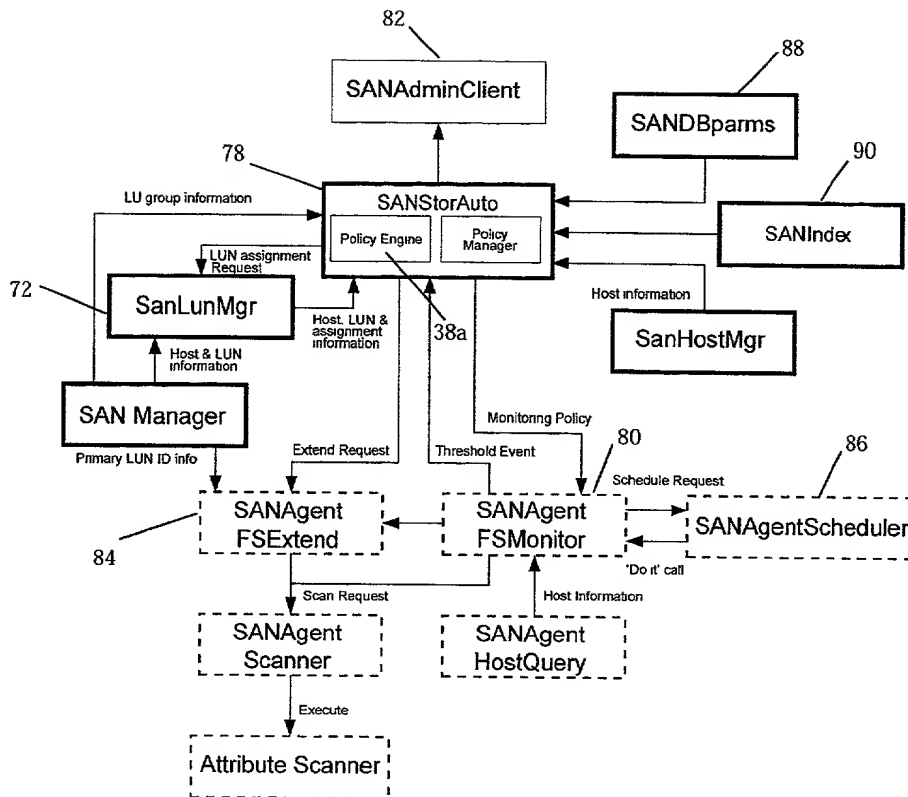


Figure 11

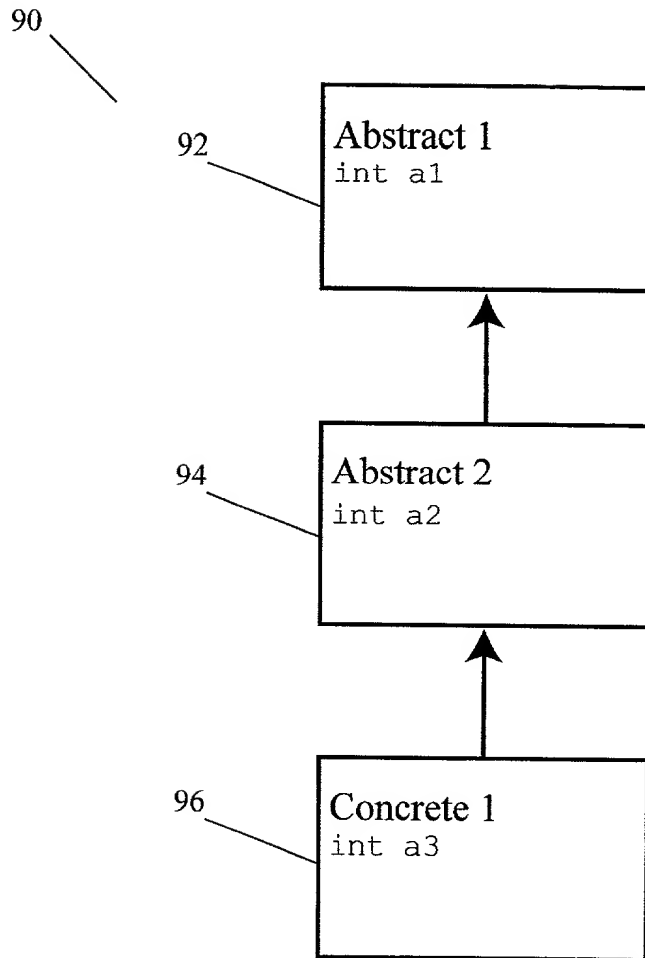


Figure 12

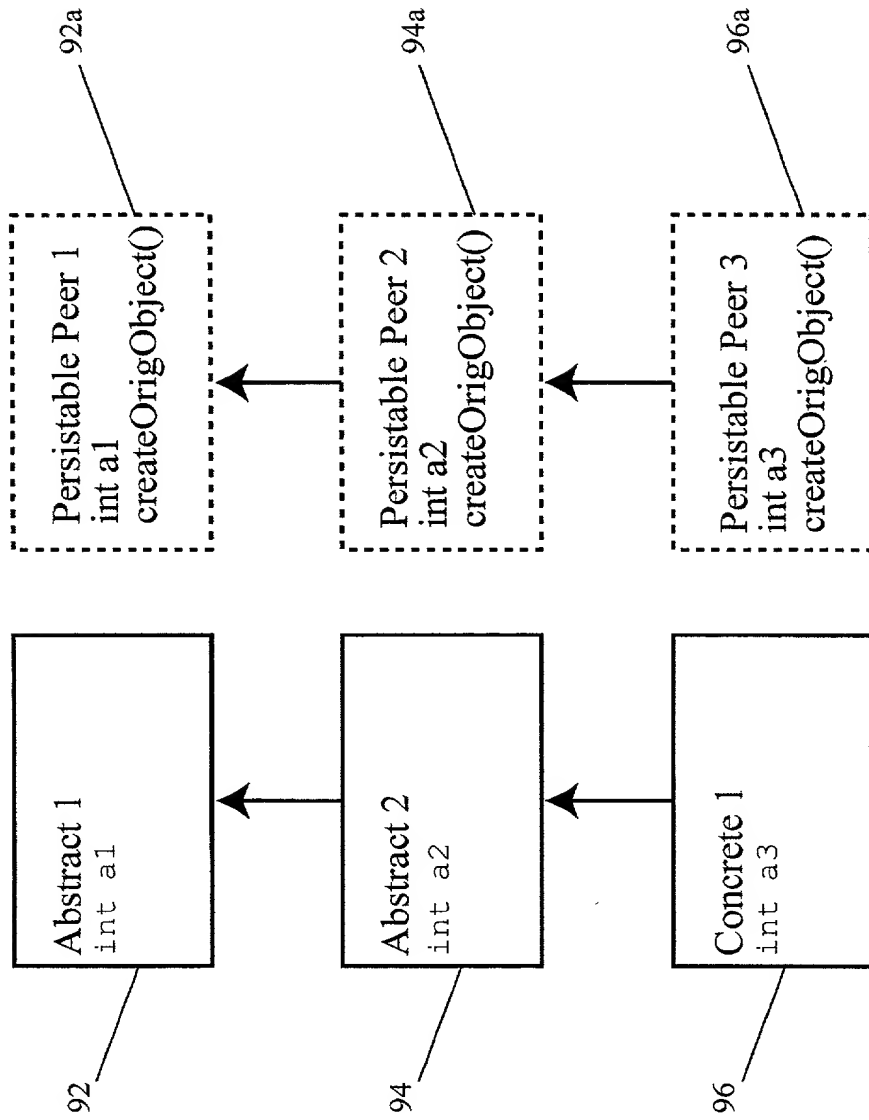


Figure 13

Figure 14a

Figure 14b

Figure 14c

Figure 14d

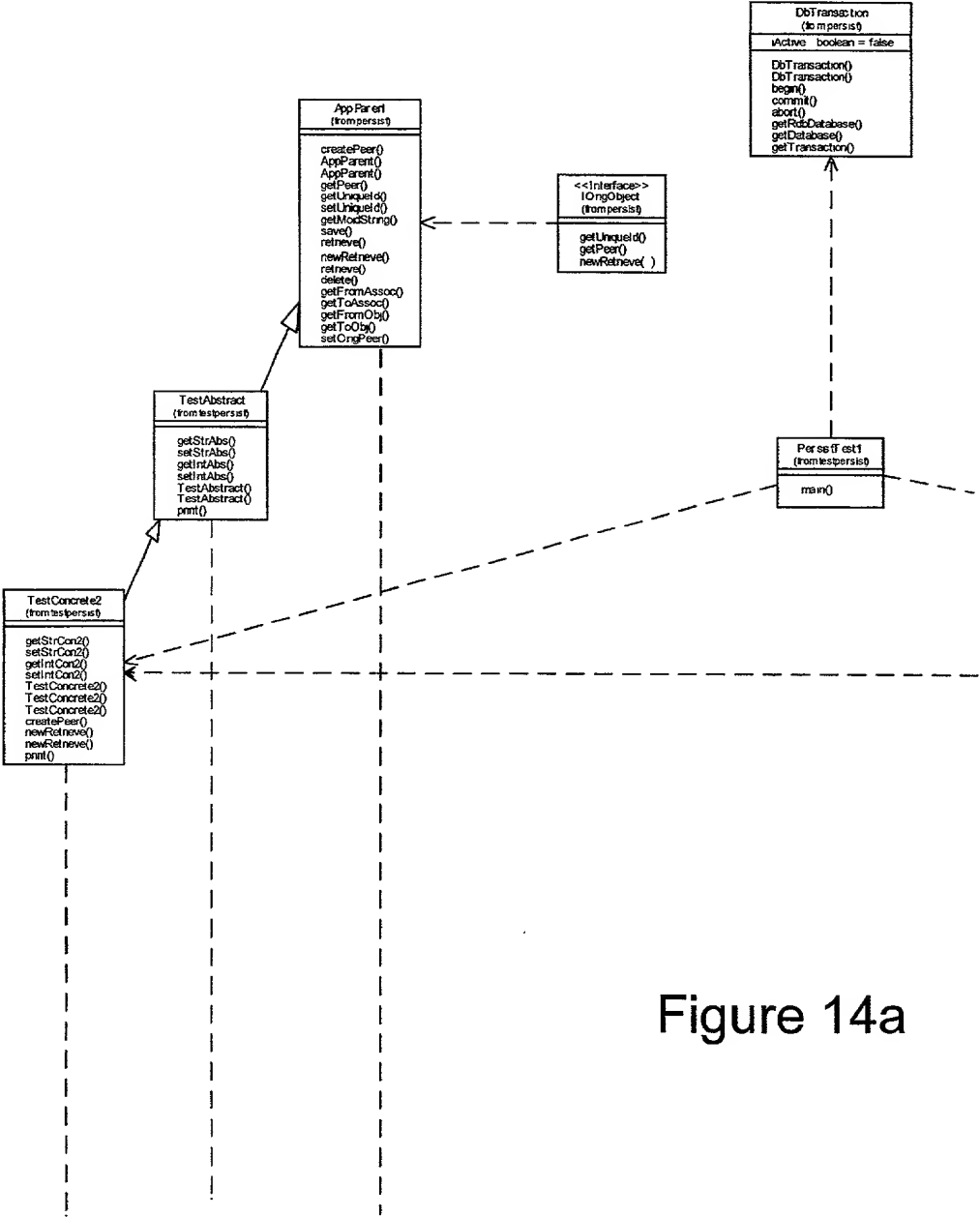


Figure 14a





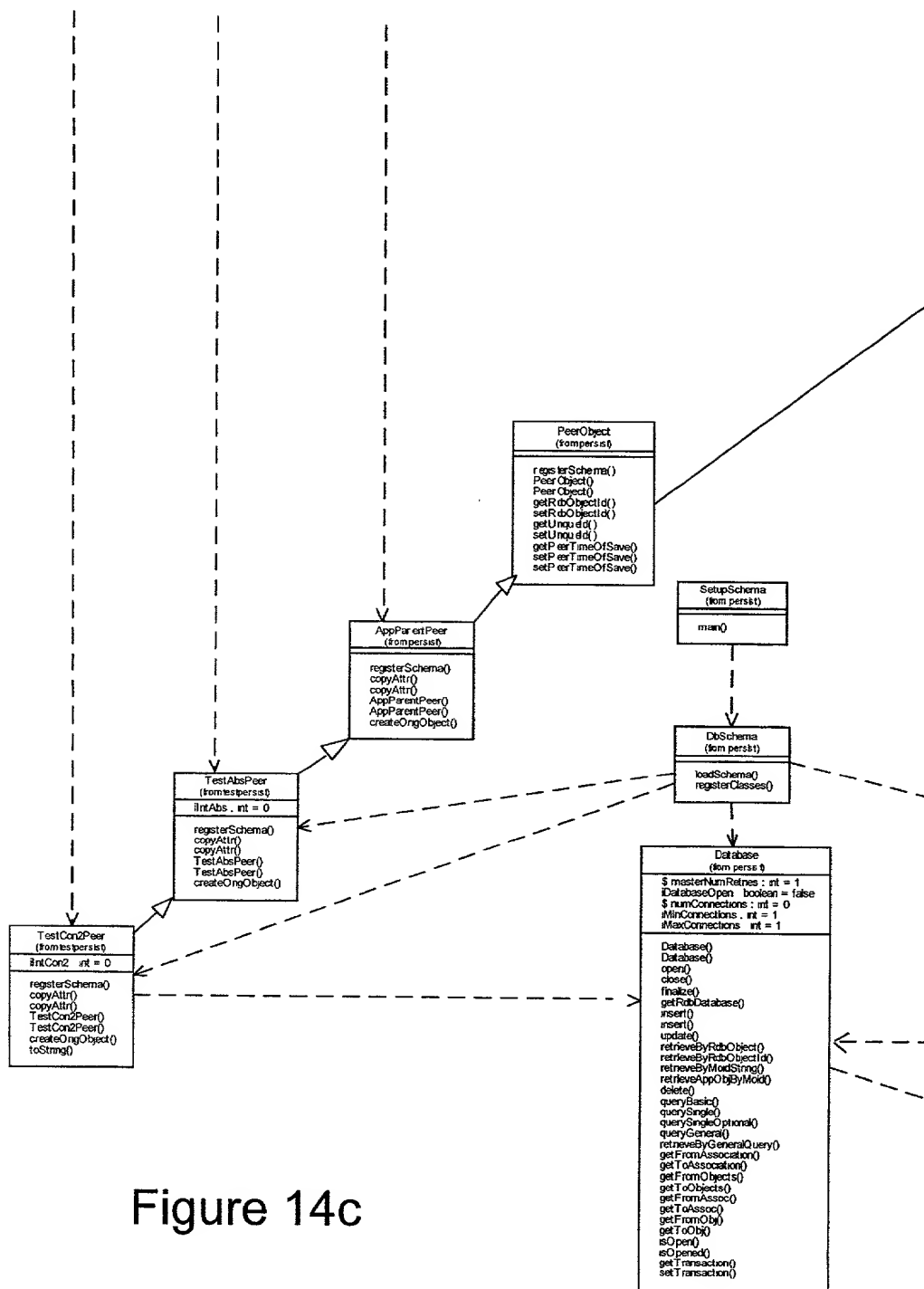


Figure 14c

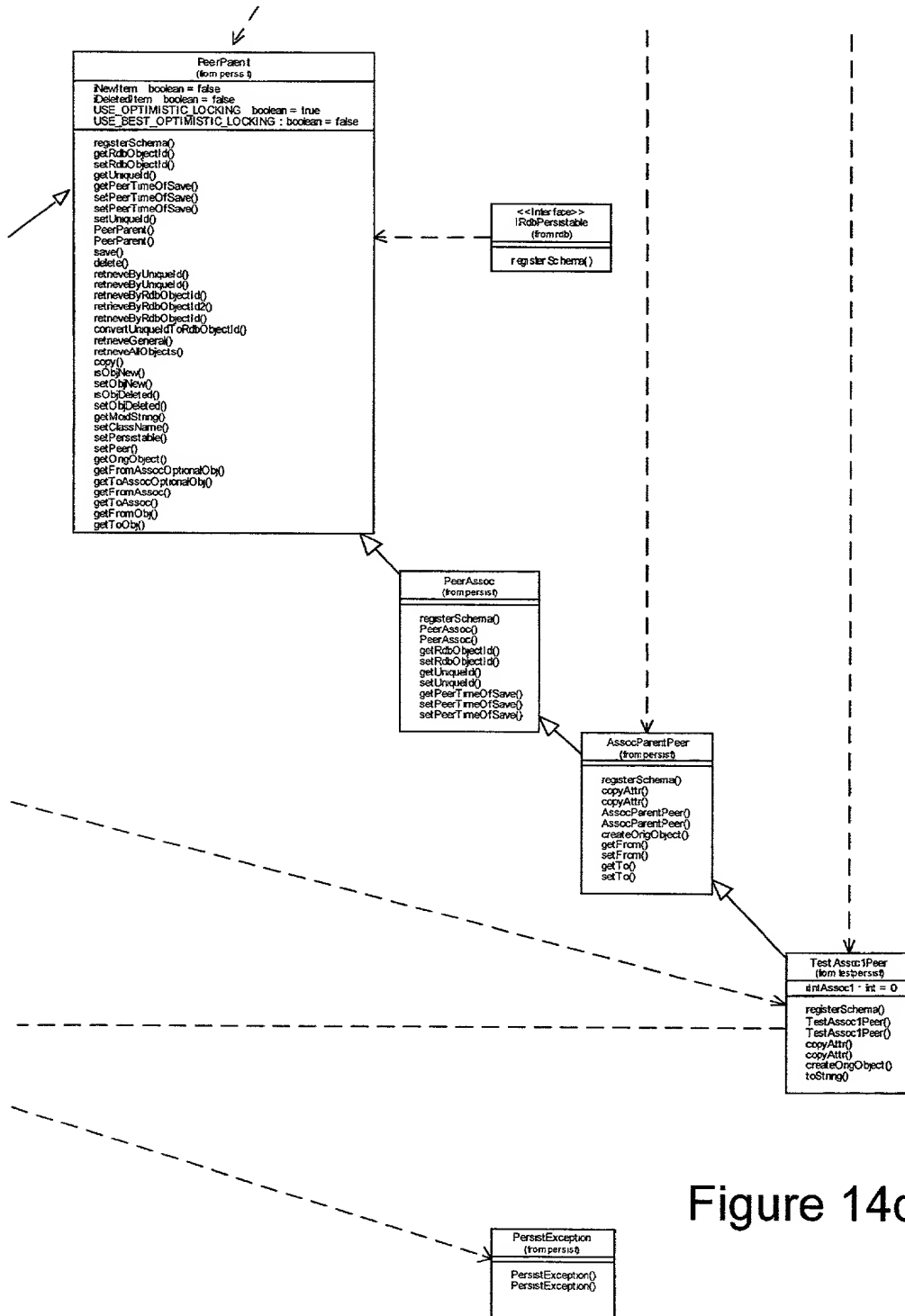
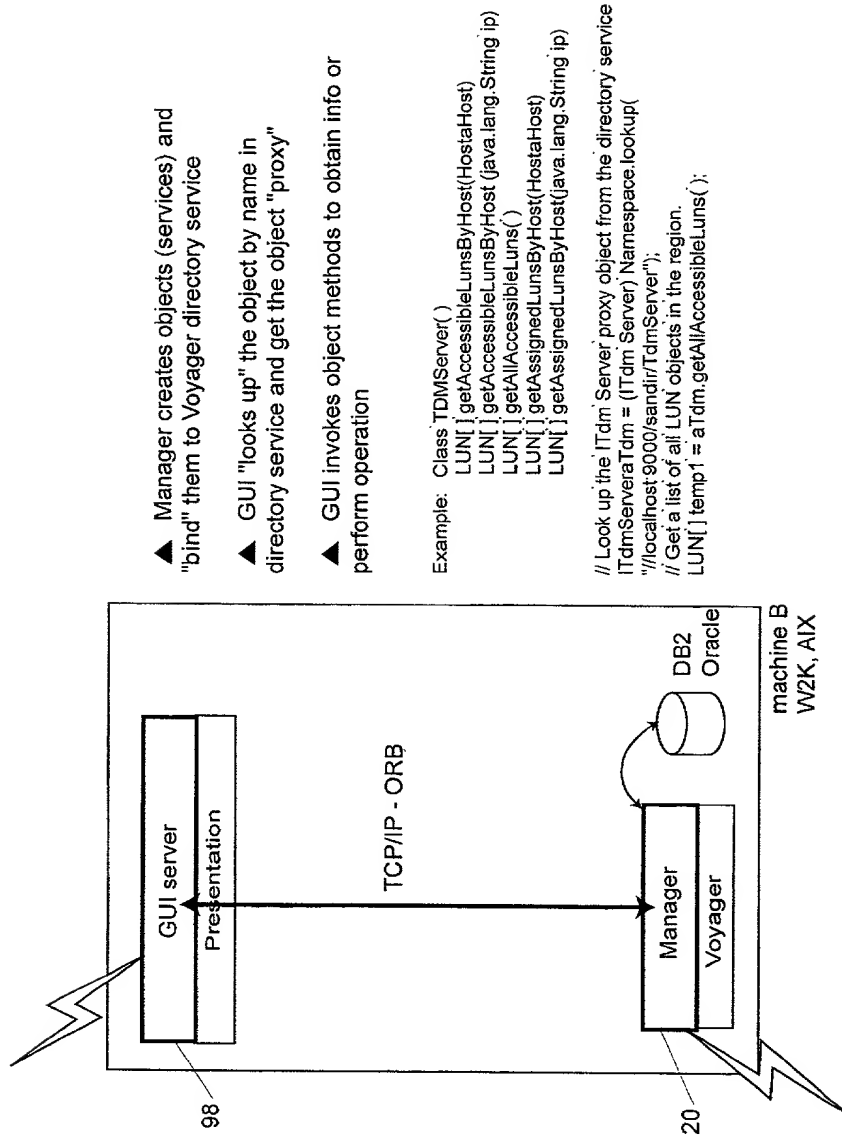


Figure 14d

# GUI (server) & Manager communication



- ▲ Manager creates objects (services) and "bind" them to Voyager directory service
- ▲ GUI "looks up" the object by name in directory service and get the object "proxy"
- ▲ GUI invokes object methods to obtain info or perform operation

Example: Class TDMServer()  
 LUN[] getAccessibleLunsByHost(HostaHost)  
 LUN[] getAccessibleLunsByHost (java.lang.String ip)  
 LUN[] getAllAccessibleLuns()  
 LUN[] getAssignedLunsByHost(HostaHost)  
 LUN[] getAssignedLunsByHost(java.lang.String ip)

// Look up the ITdm Server proxy object from the directory service  
 ITdmServerTdm = (ITdm Server) Namespace.lookup(  
 "localhost:9000/sandir/TdmServer");  
 // Get a list of all LUN objects in the region.  
 LUN[] temp1 = aTdm.getAllAccessibleLuns( );

Figure 15

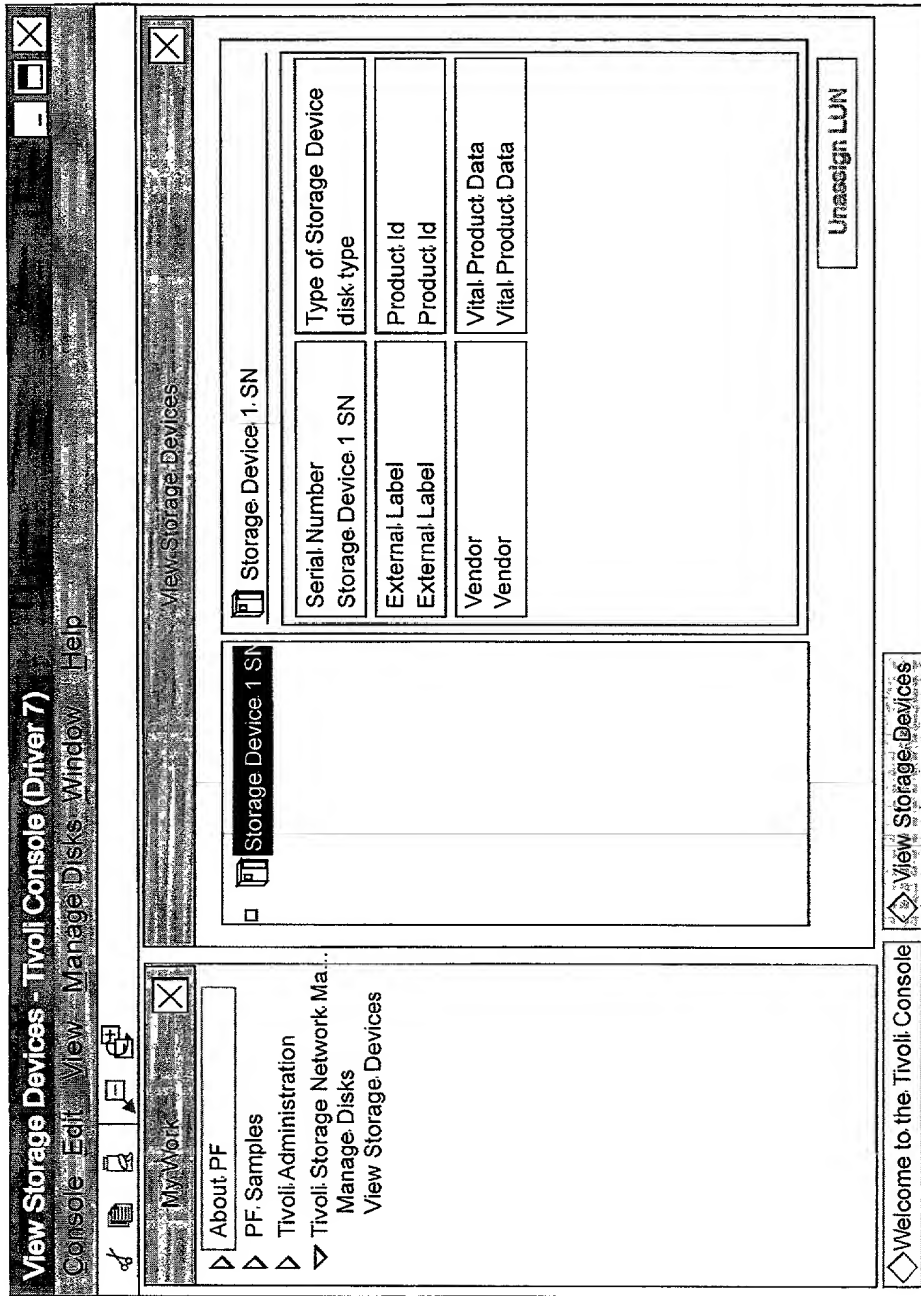


Figure 16

100

102

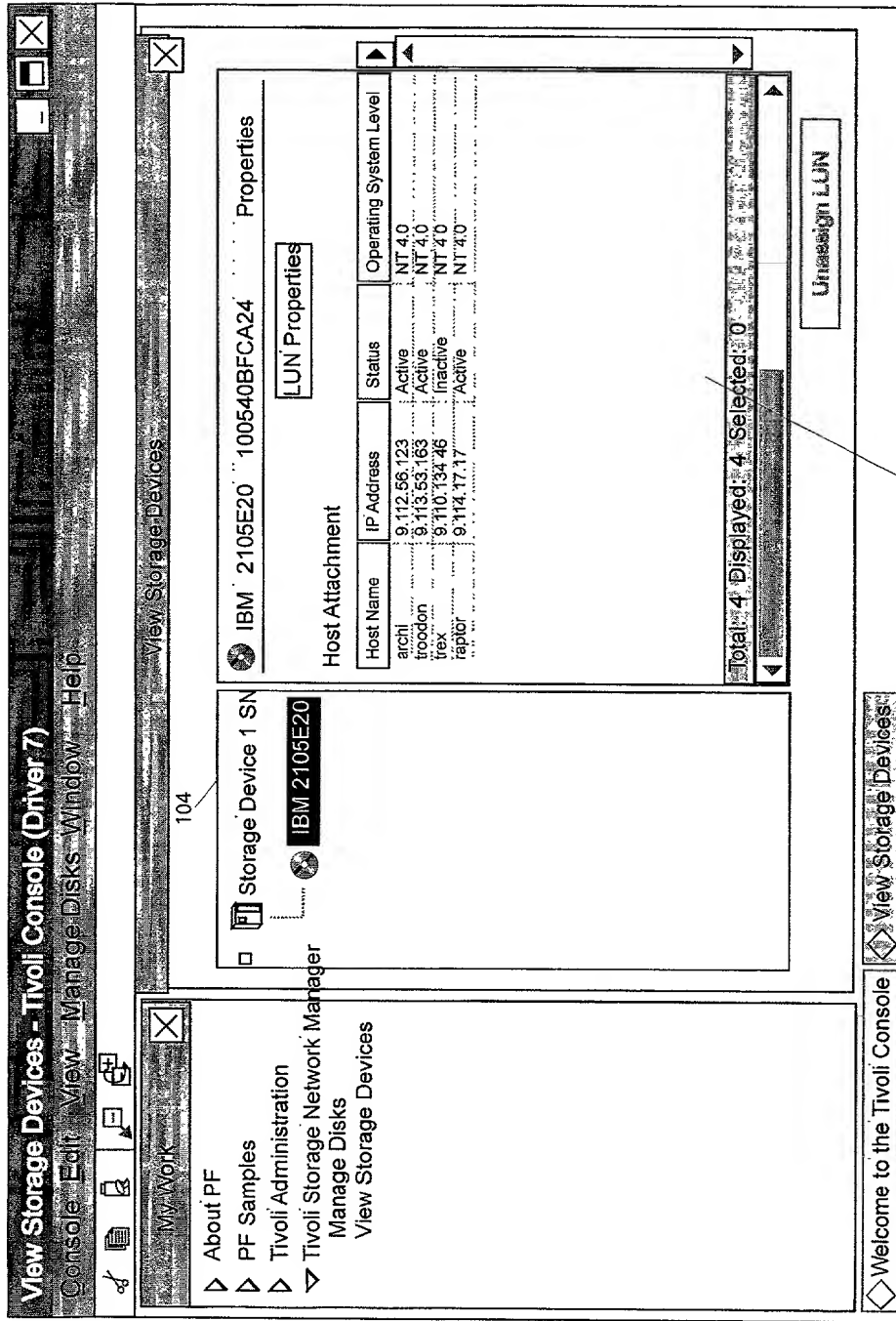


Figure 17

106

108

**Manage Disks - Tivoli Console (Driver 7)**  
 Console Edit View Manage Disks Window Help

archi troodon trex raptor

Host IP Address is 9.112.56.123

archi Properties

Accessible LUNs

Capacity in MBs	Vendor	Product	Revision	Unit Number	Status	Assigned To
4875	UNISYS	006073ST191	1901	LAC66200		
10500	UNISYS	006073ST191	1901	LAD88360		
22345	IBM	2105E20	1005	40BFCA20		
22345	IBM	2105E20	1005	40BFCA20		
22345	IBM	2105E20	1005	40BFCA34		
22345	IBM	2105E20	1005	40BFCA34		
22345	IBM	2105E20	1005	40BFCA25		
22345	IBM	2105E20	1005	40BFCA25		
8520	EMC	SYMMETRIX	5265	37012720Z		
4875	EMC	SYMMETRIX	5265	37028120Z		
4875	SEAGATE	ST197FC	CC96	LAM14620		
4875	UNISYS	39.BYTES.LO	901L	AC66203	Assigned	
10500	UNISYS	39.BYTES.LO	1901	AC66203	Assigned	
22345	IBM	2105E20	1005	40BFCA24	Assigned	
22345	IBM	2105E20	1005	40BFCA24	Assigned	
8520	EMC	SYMMETRIX	5265	37012720C	Assigned	

Total: 19 Displayed, 19 Selected, 0 /

Welcome to the Tivoli Console View Storage Devices Manage Disks Assign LUN Unassign LUN Reassign LUN

112a

112b

112c

112d

110

Figure 18

114

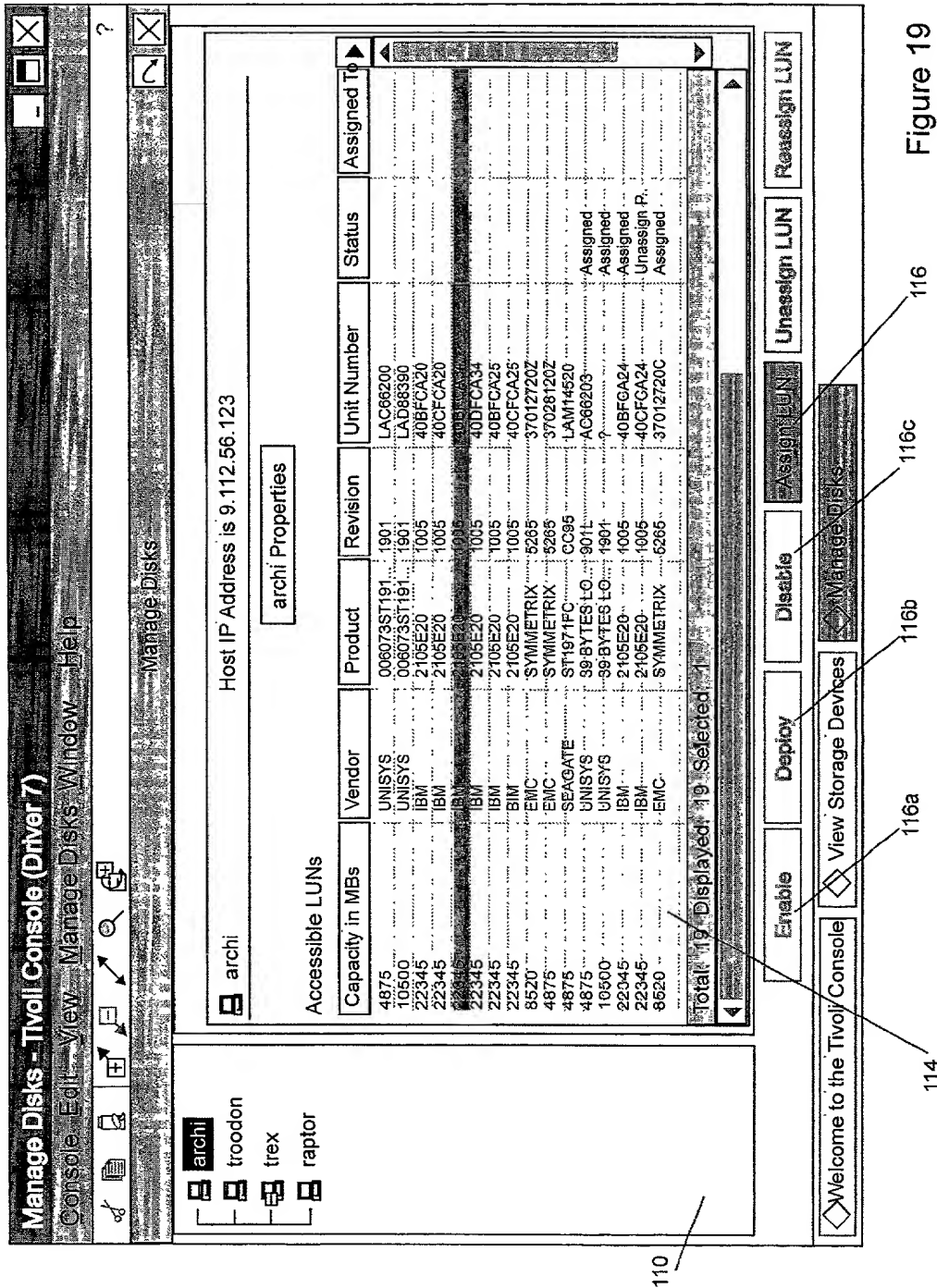


Figure 19



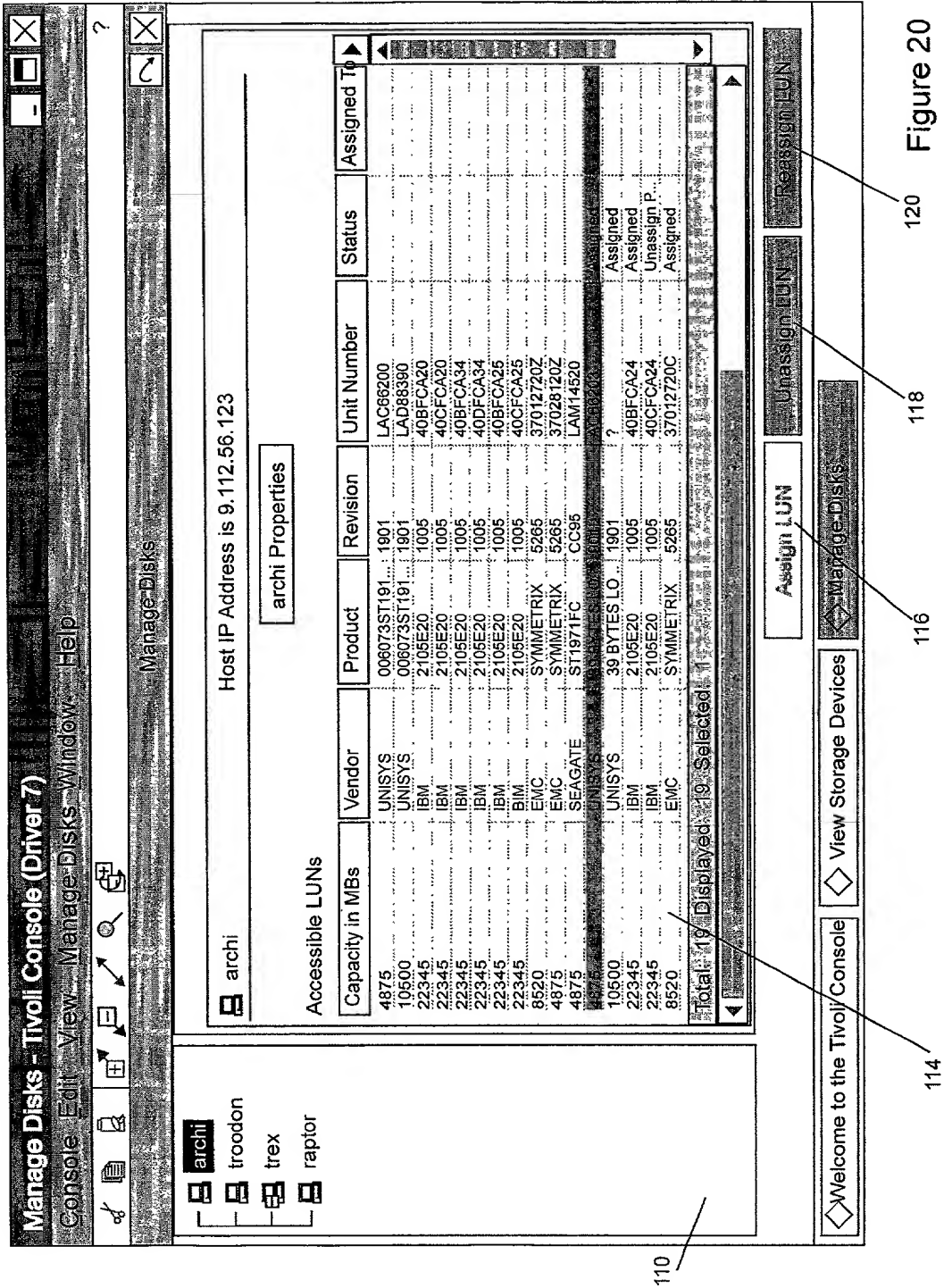


Figure 20

# Clearing the Filter

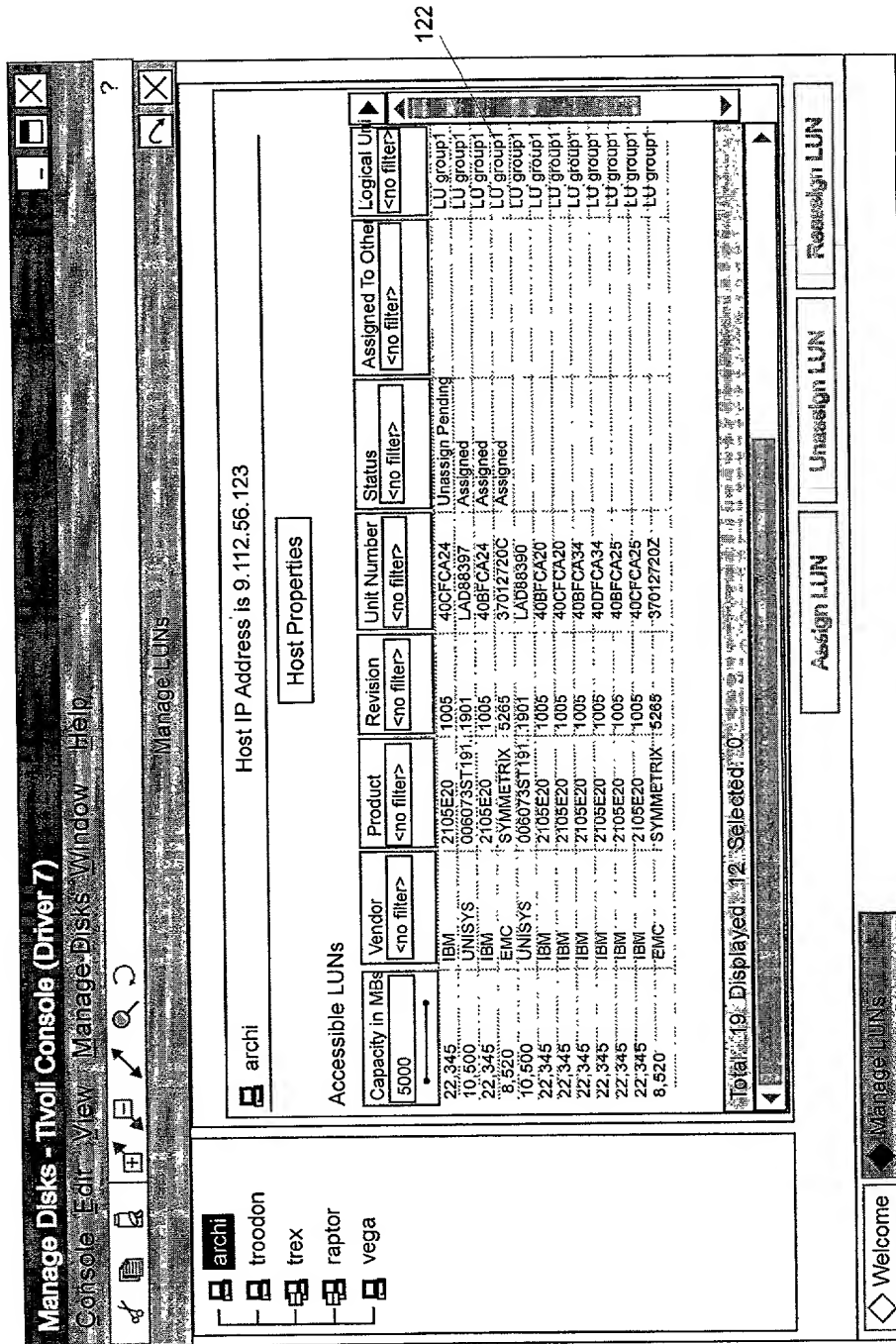


Figure 21

**Manage Disks - Tivoli Console (Driver 7)**

Console Edit View Manage Disks Window Help

? [Icons]

---

**archi**

- troodon
- trex
- raptor
- vega

Host IP Address is 9,112.56.123

**Host Properties**

Capacity in MBs	Unit Number	Status	Assigned To Other	Logical Unit
5000	<no filter>	<no filter>	<no filter>	<no filter>
<div style="background-color: #f0f0f0; padding: 2px;"> <b>Accessible LUNs</b> </div>				
8,520	40CFCA24	Unassign Pending		LU group1
8,520	LAC66203	Assigned		LU group1
4,875	LAD88397	Assigned		LU group1
4,875	40BFCA24	Assigned		LU group1
0	37012720C	Assigned		LU group1
0	37028120C	Assigned		LU group1
0	LAM14526	Assigned		LU group1
4,875	LAC66200	Assigned		LU group1
10,500	LAD88390			LU group1
22,345	40BFCA20			LU group1
22,345	40CFCA20			LU group1
22,345	40BFCA34			LU group1
22,345	40DFCA34			LU group1
8,520	37012720Z			LU group1
Total: 10 Displayed: 19 Selected: 0				

[Welcome] [Assign LUN] [Unassign LUN] [Reassign LUN]

[Manage LUNs]

Figure 22

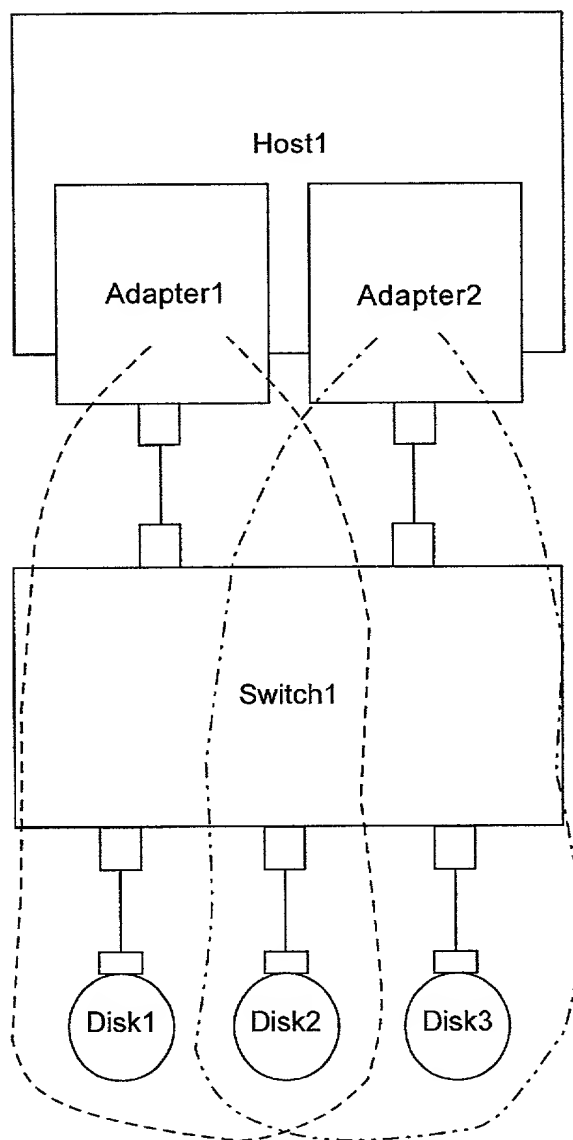


Figure 23

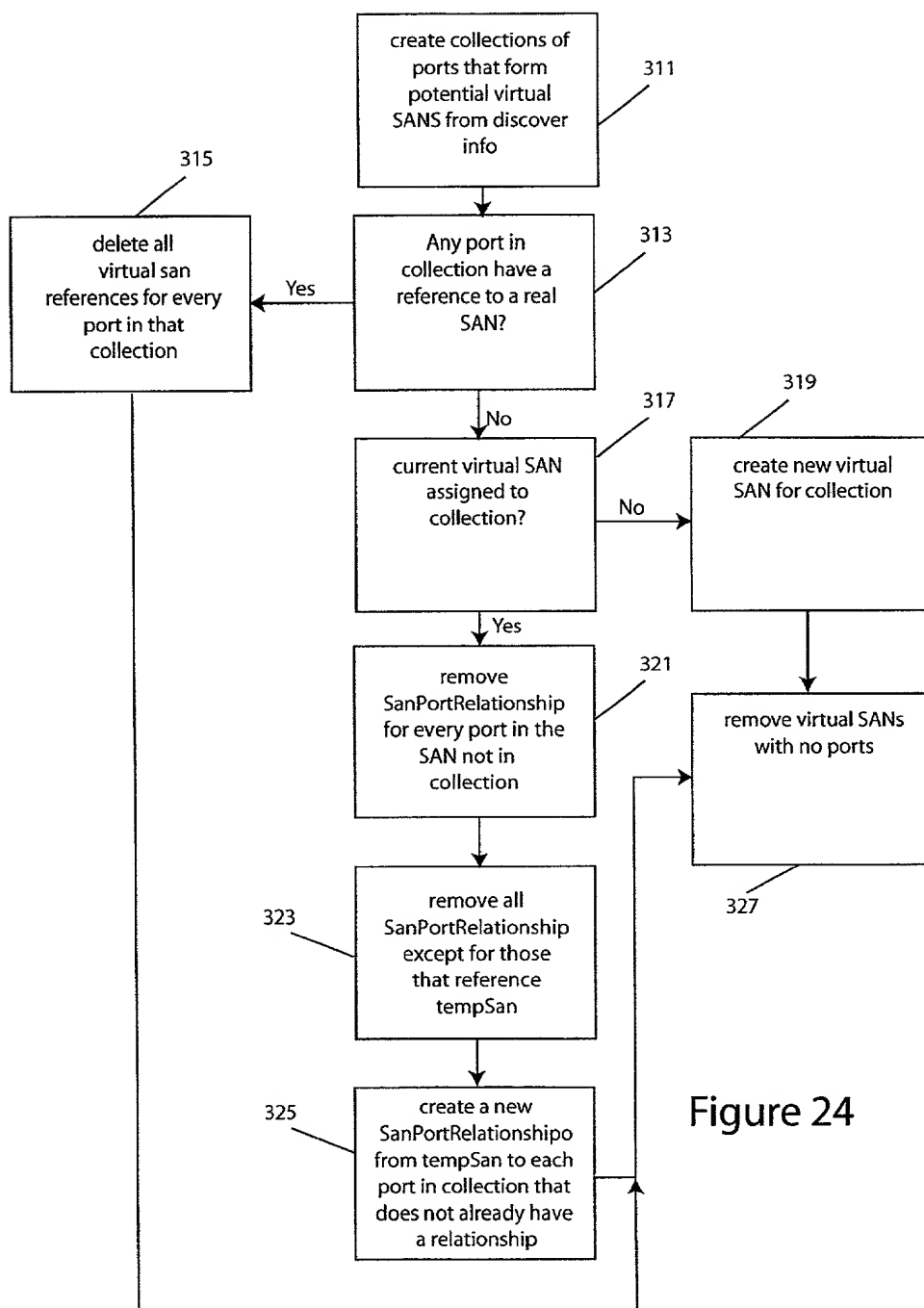


Figure 24

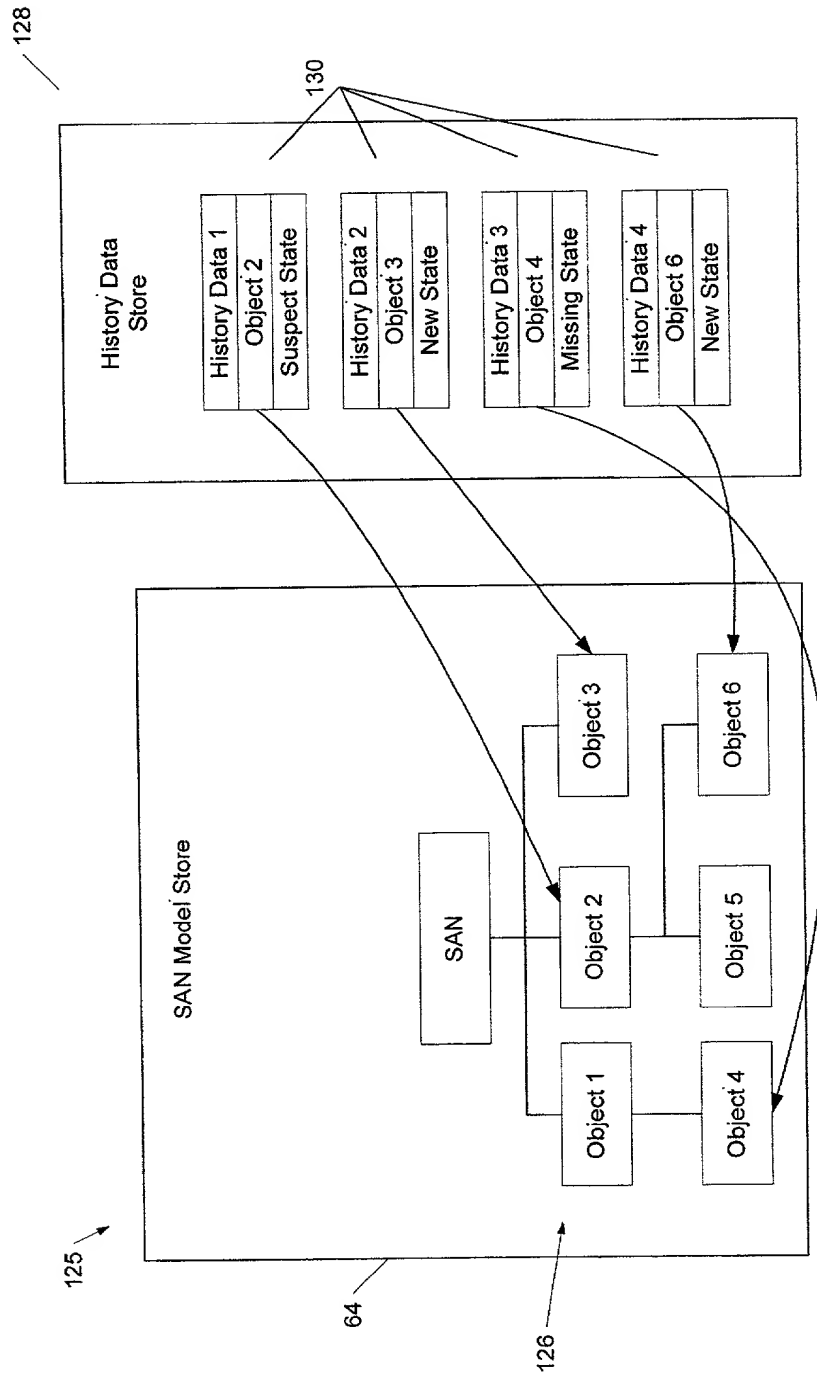


FIGURE 25

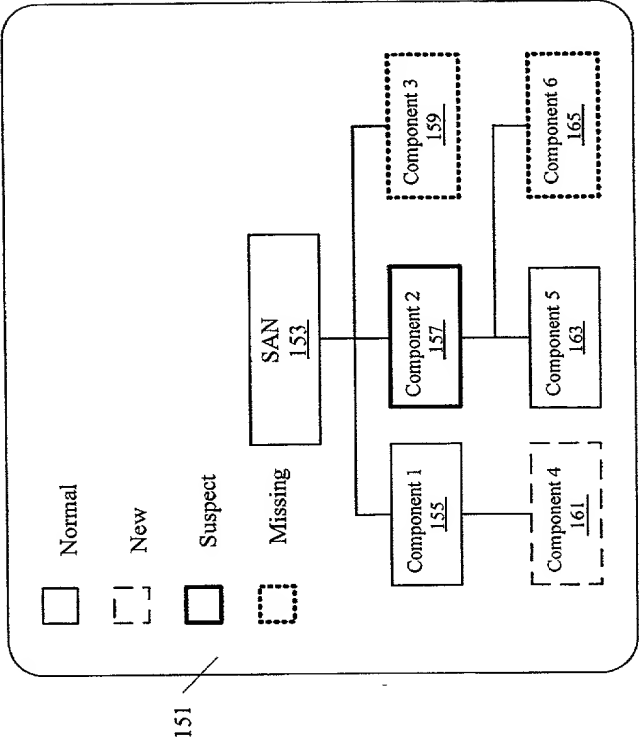


FIGURE 26

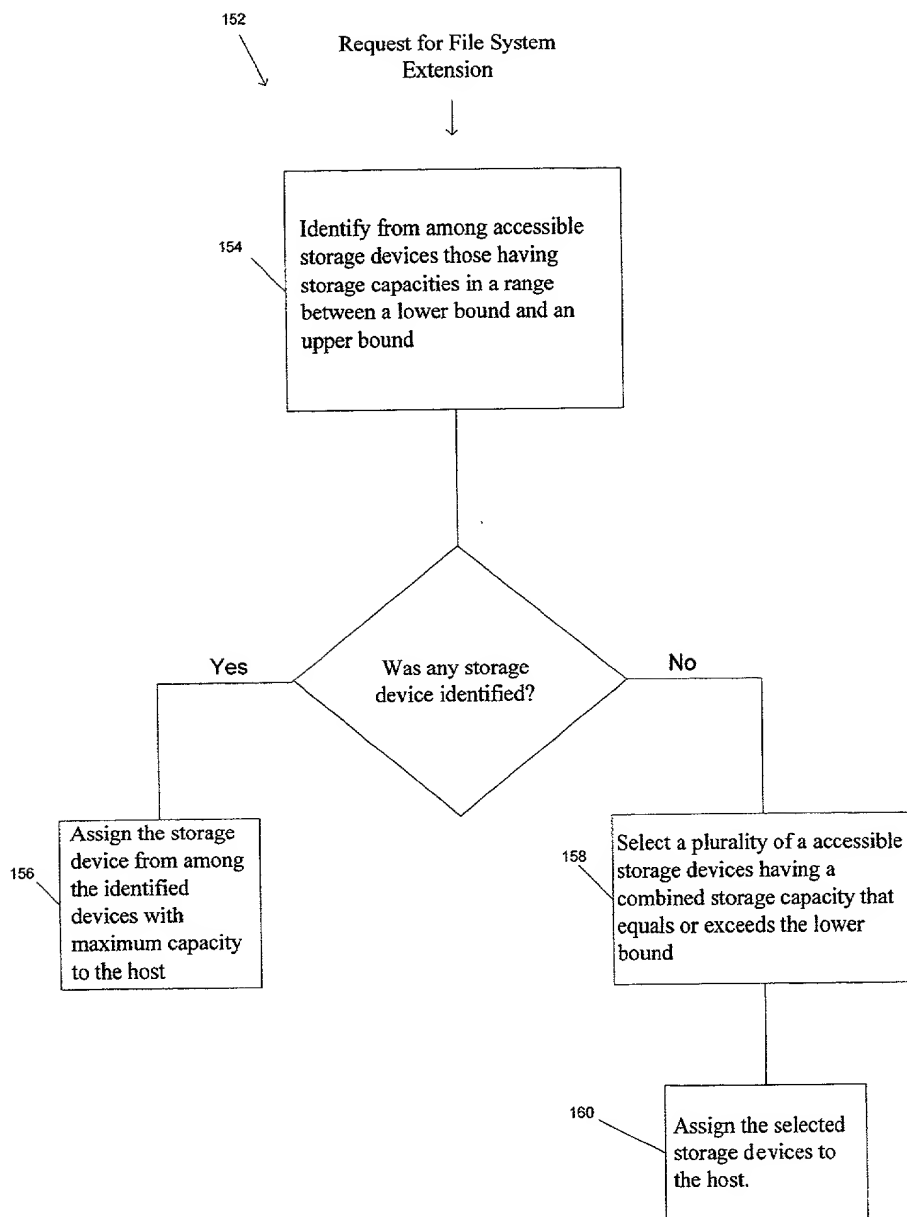


Figure 27



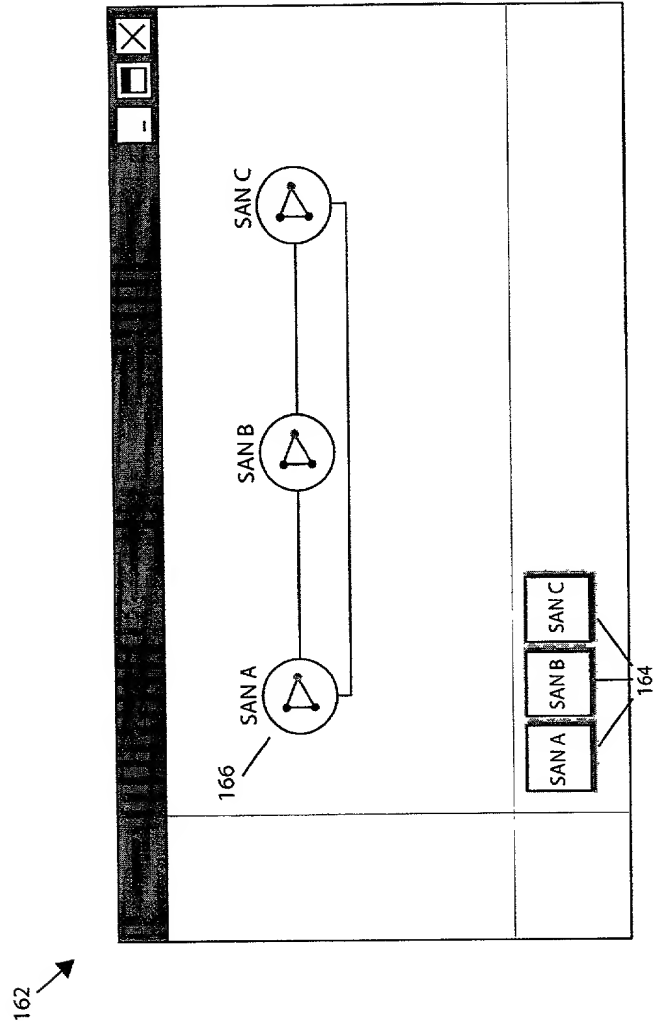


Figure 28

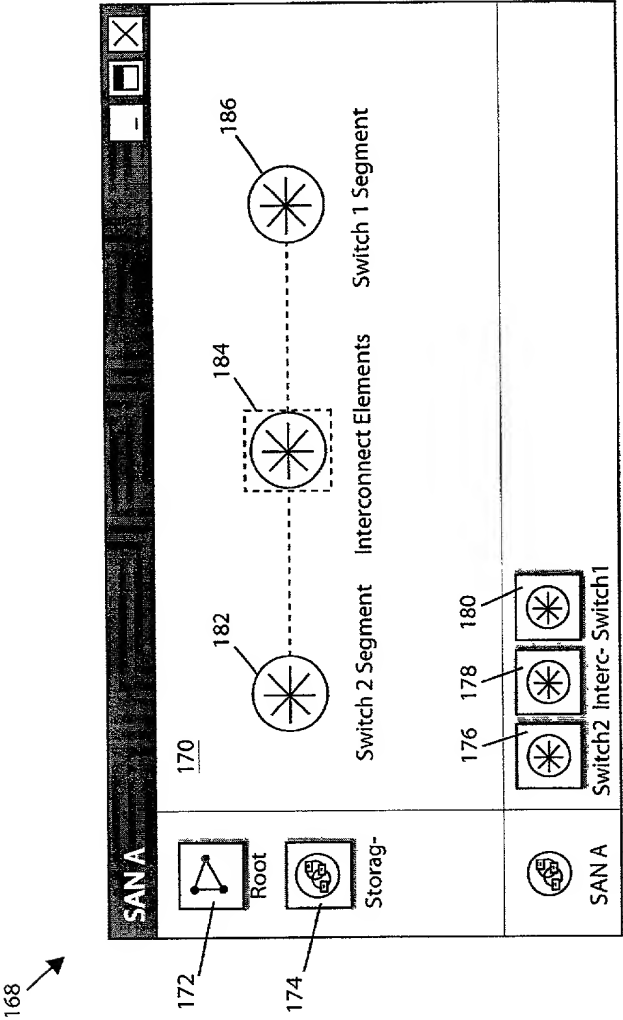


Figure 29

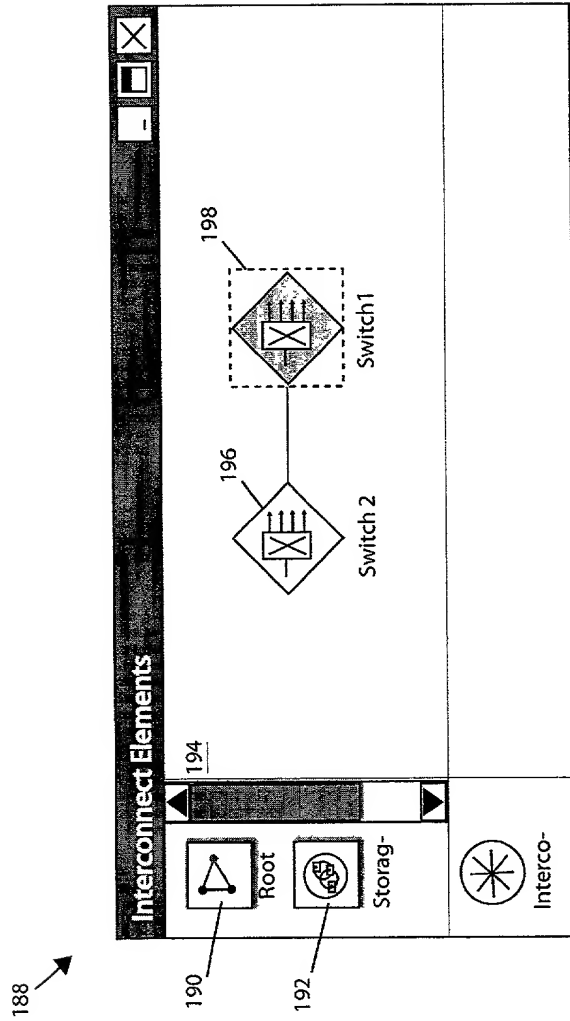


Figure 30

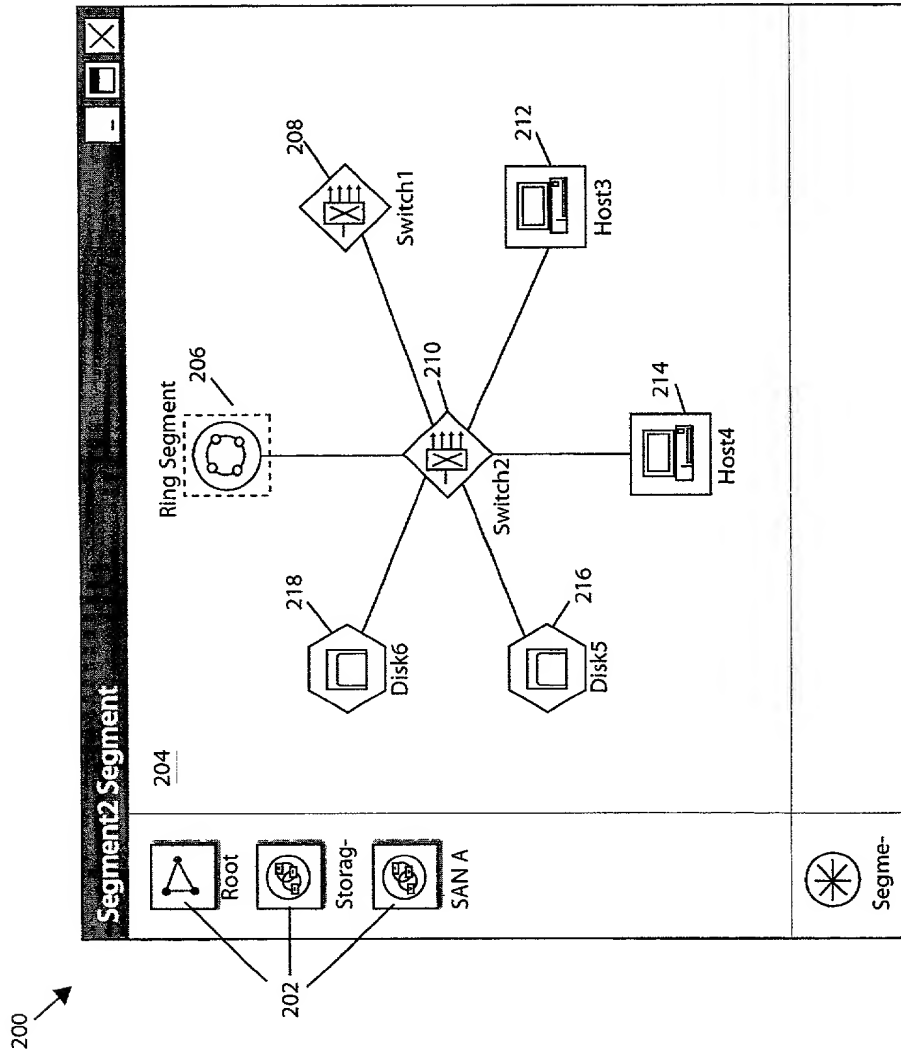


Figure 31

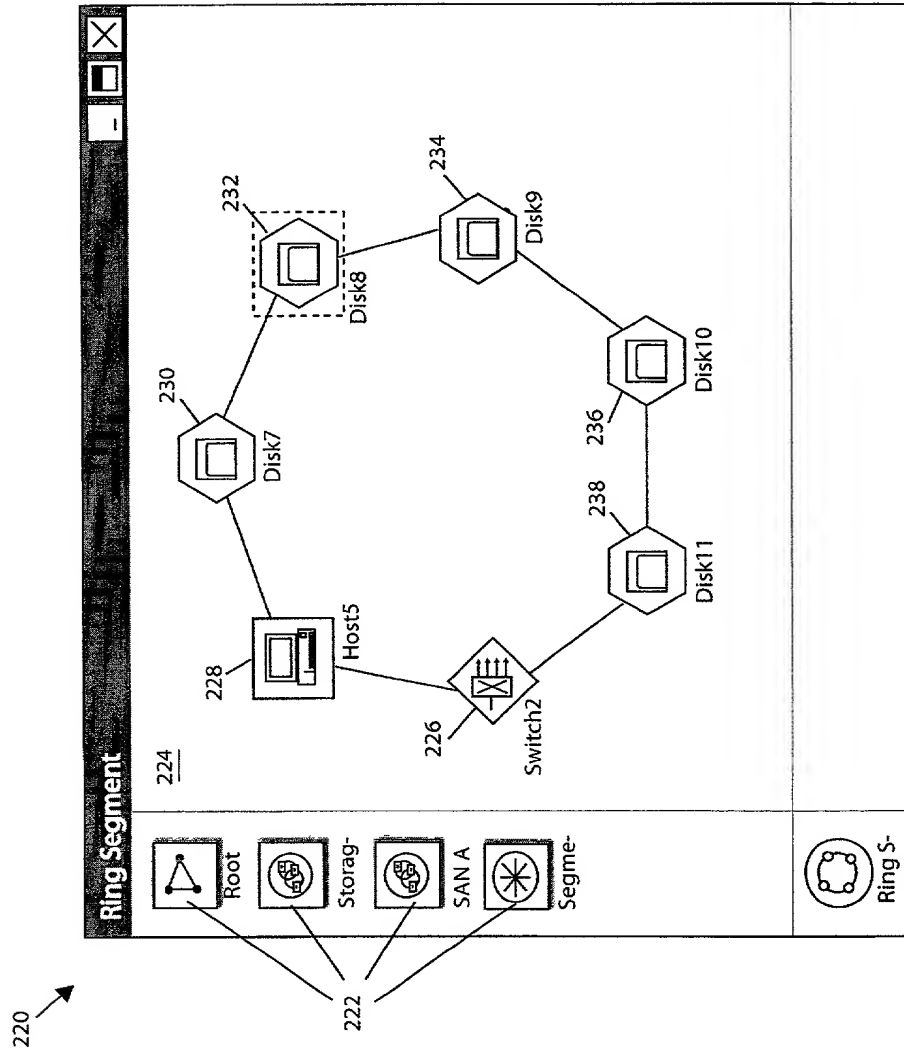
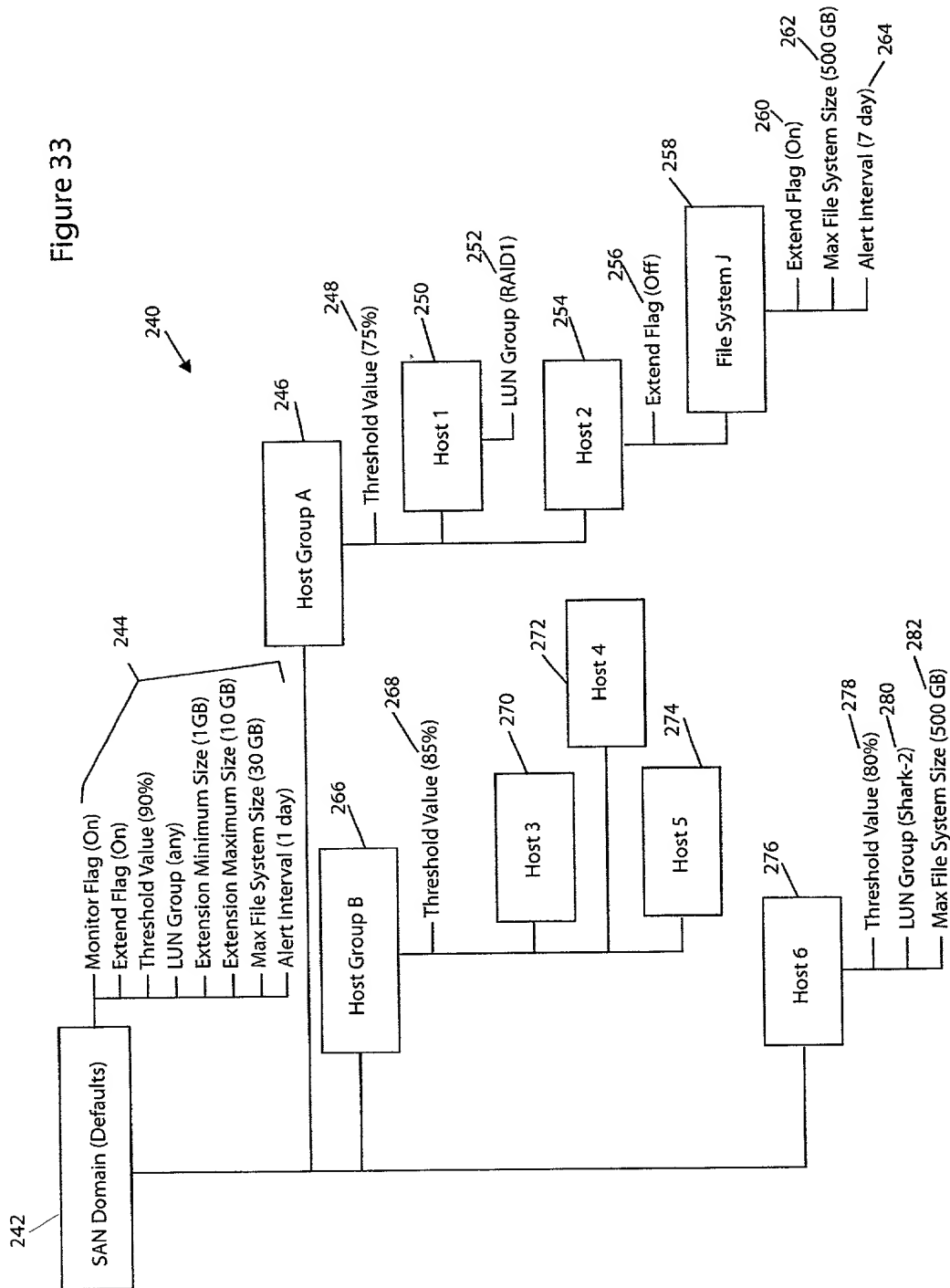


Figure 32



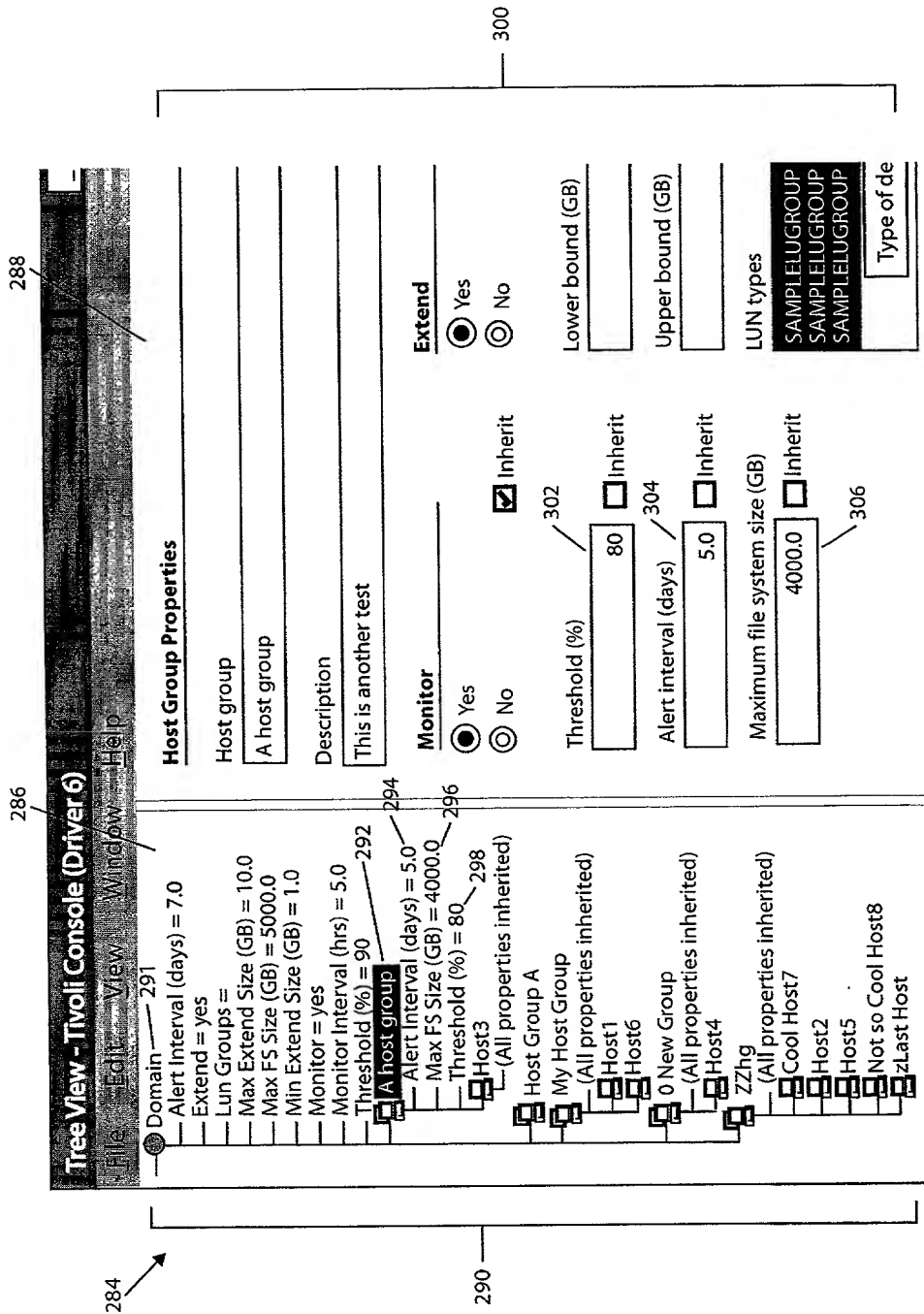
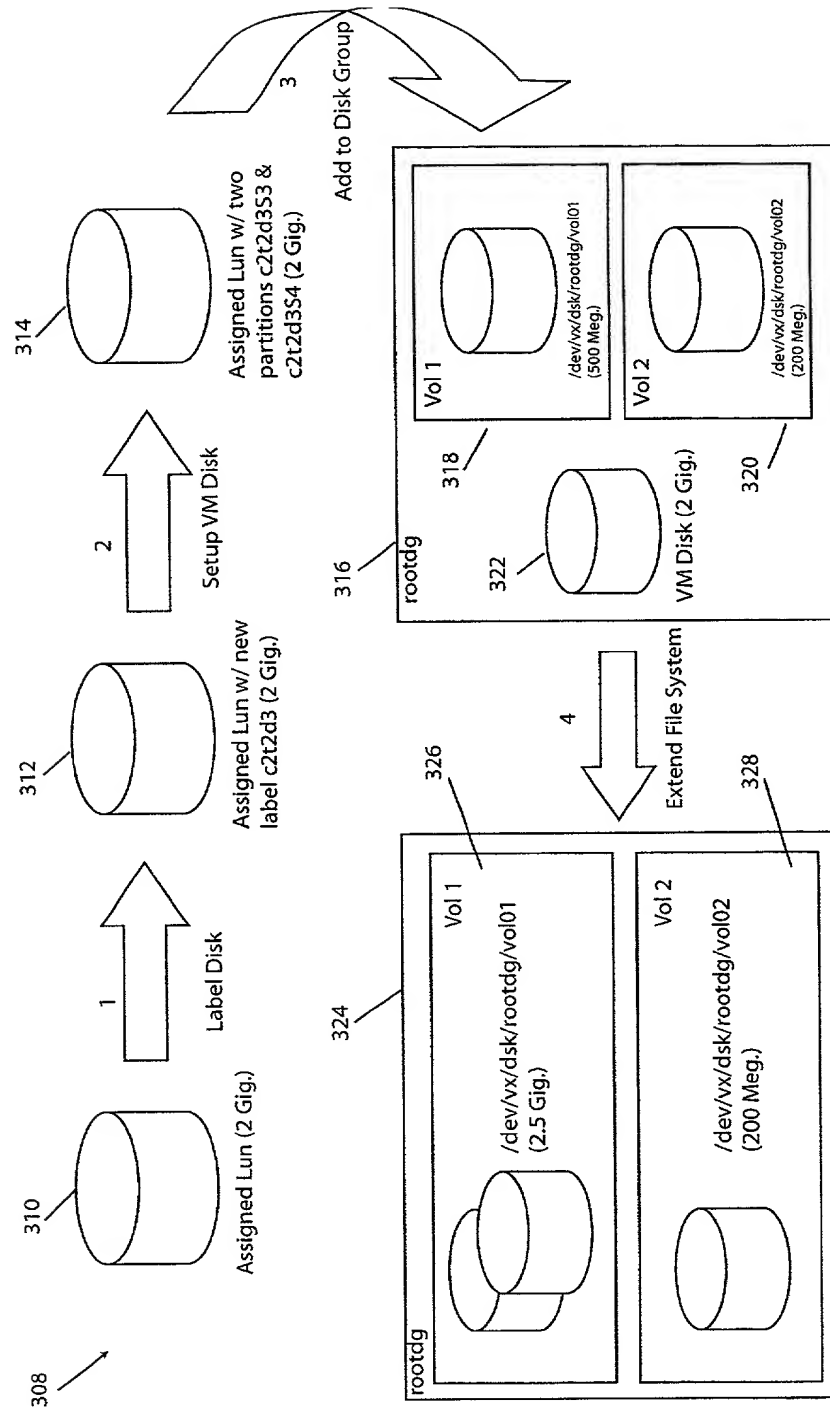


Figure 34

Figure 35





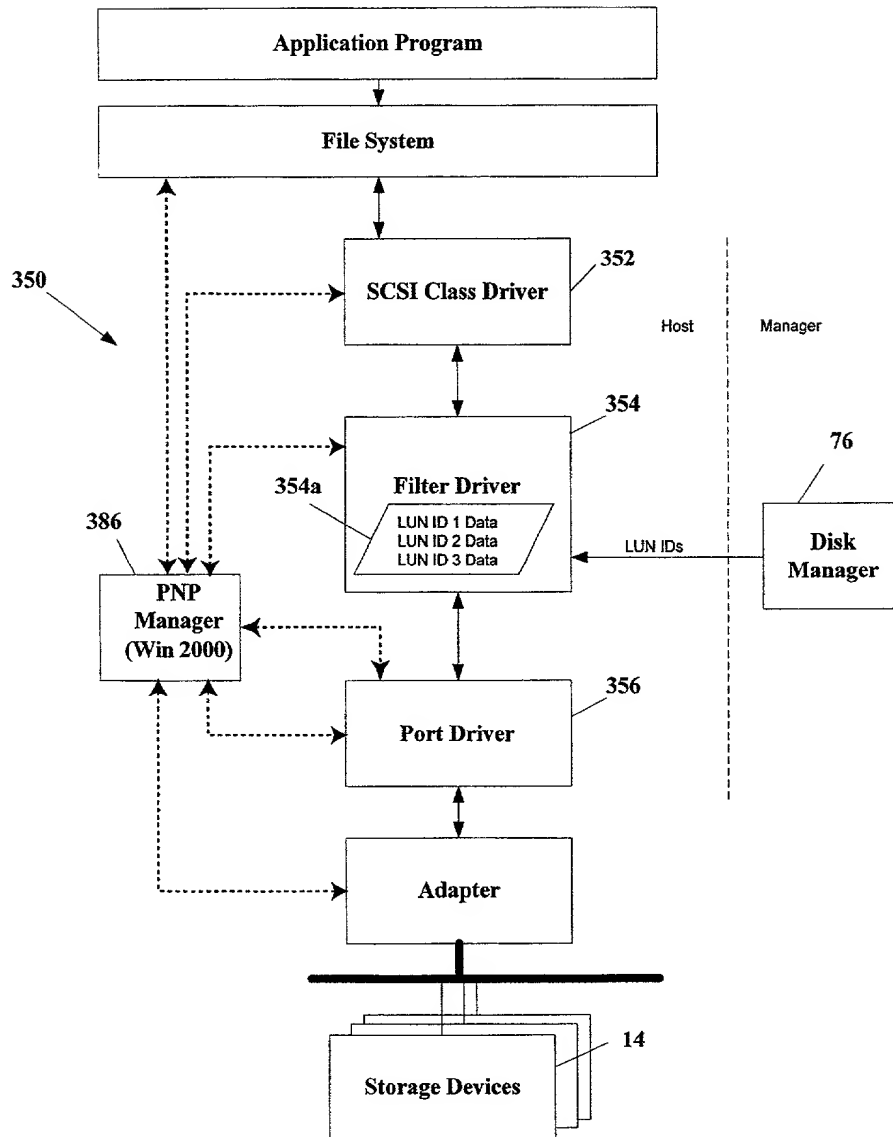
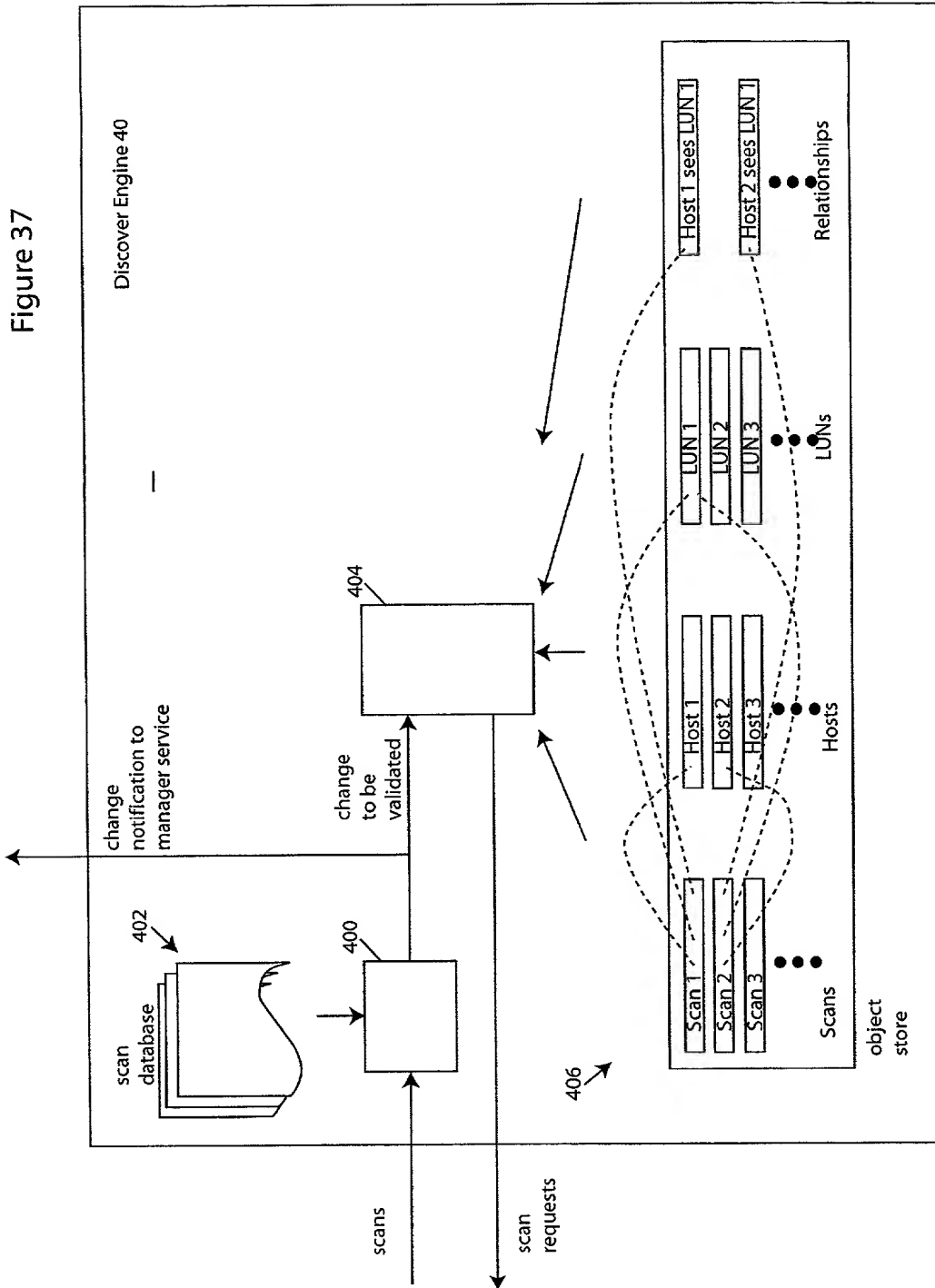


FIGURE 36

Figure 37



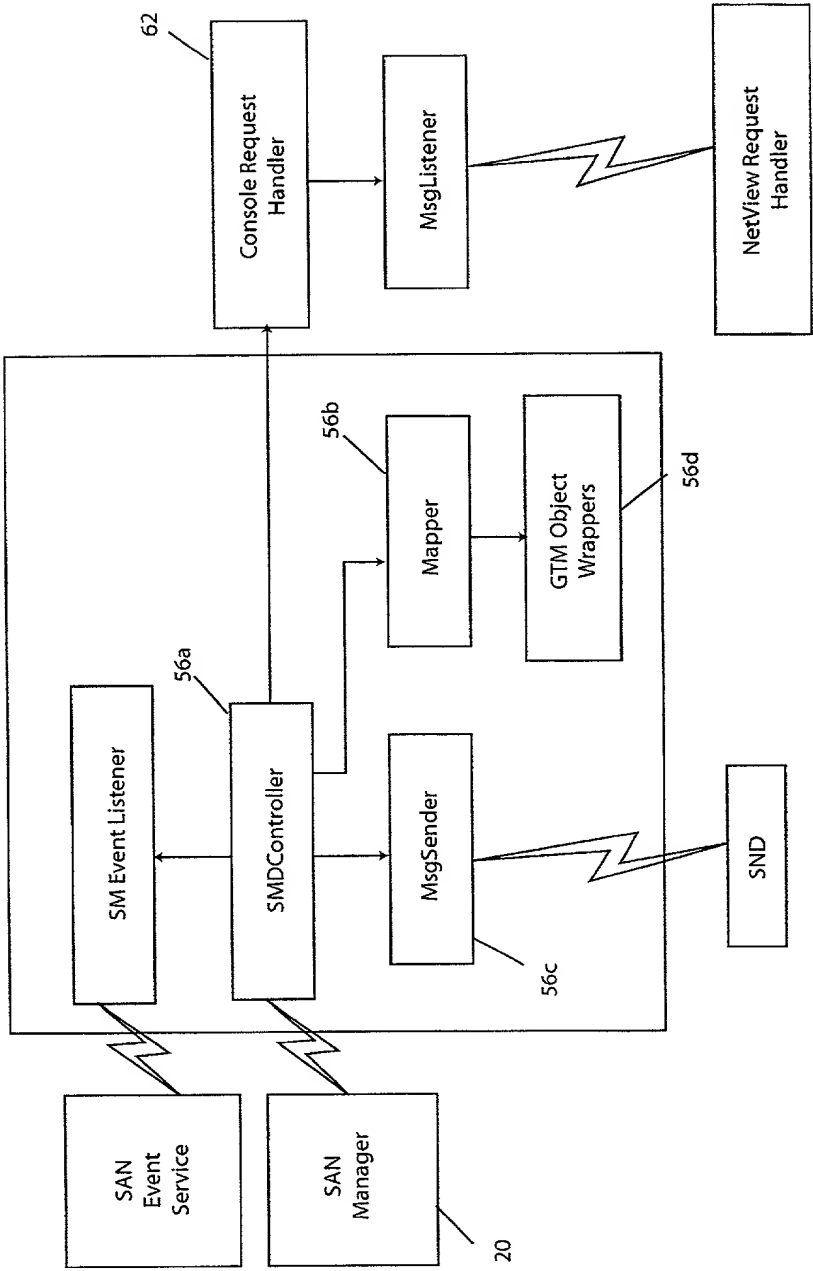


Figure 38

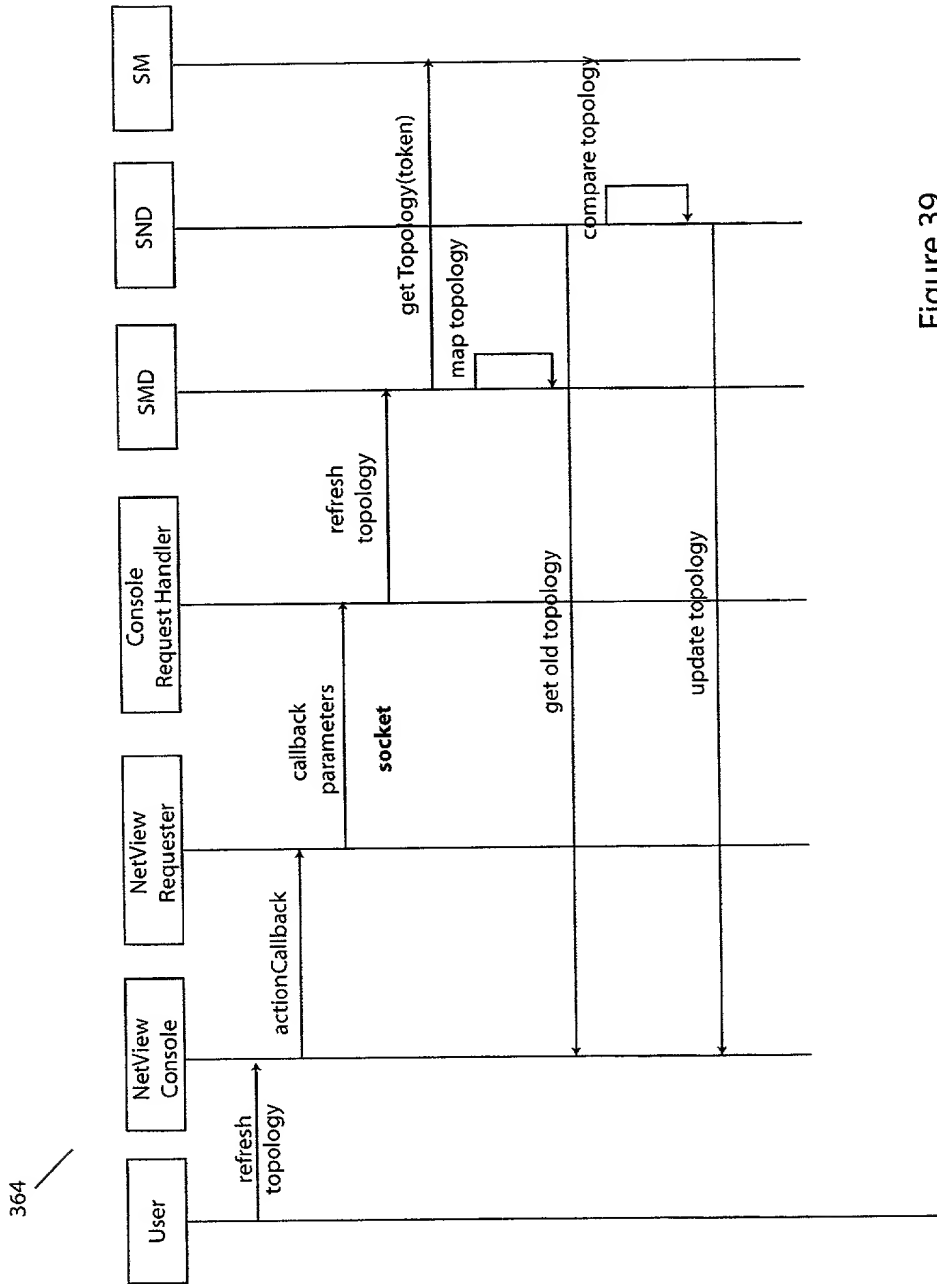


Figure 39

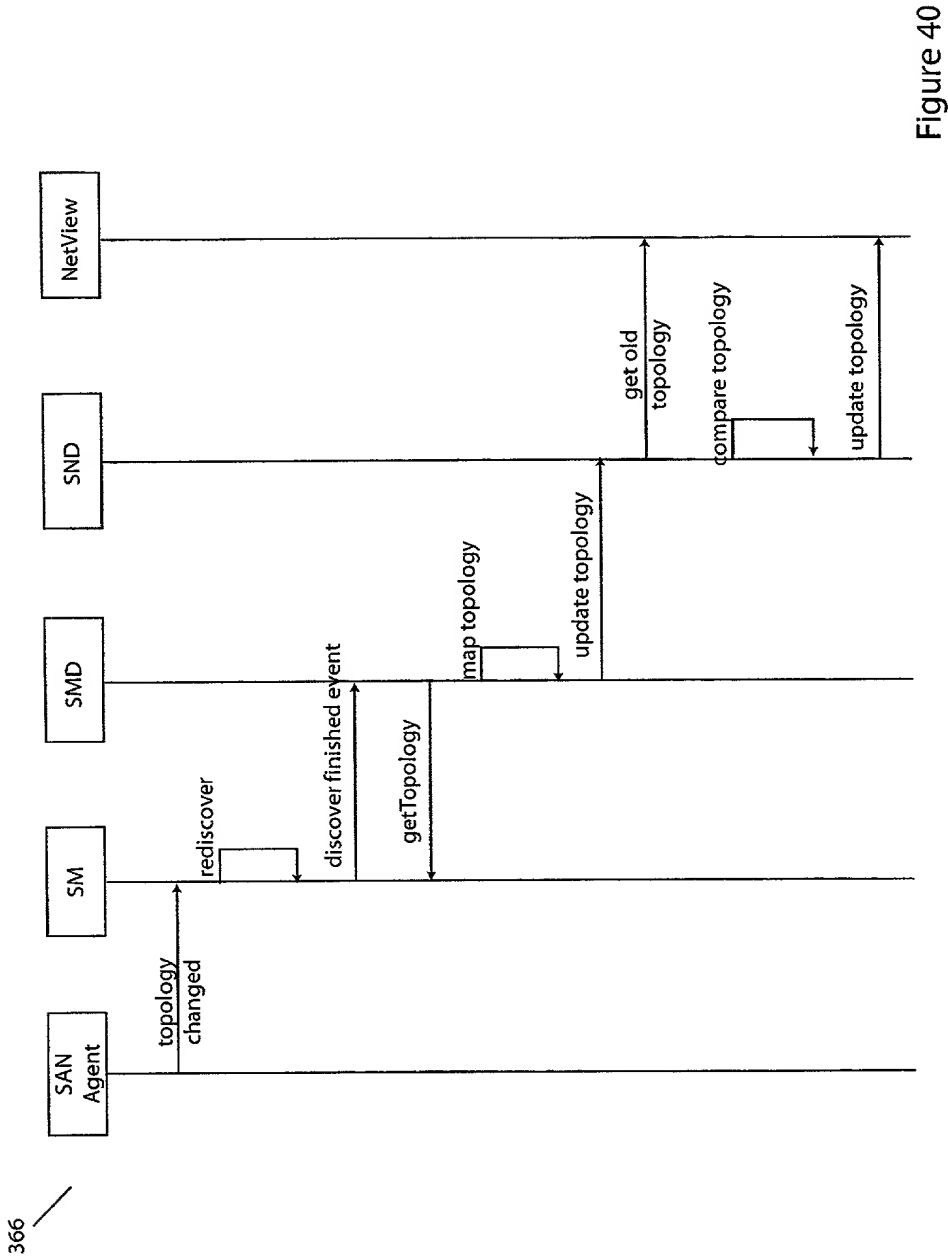
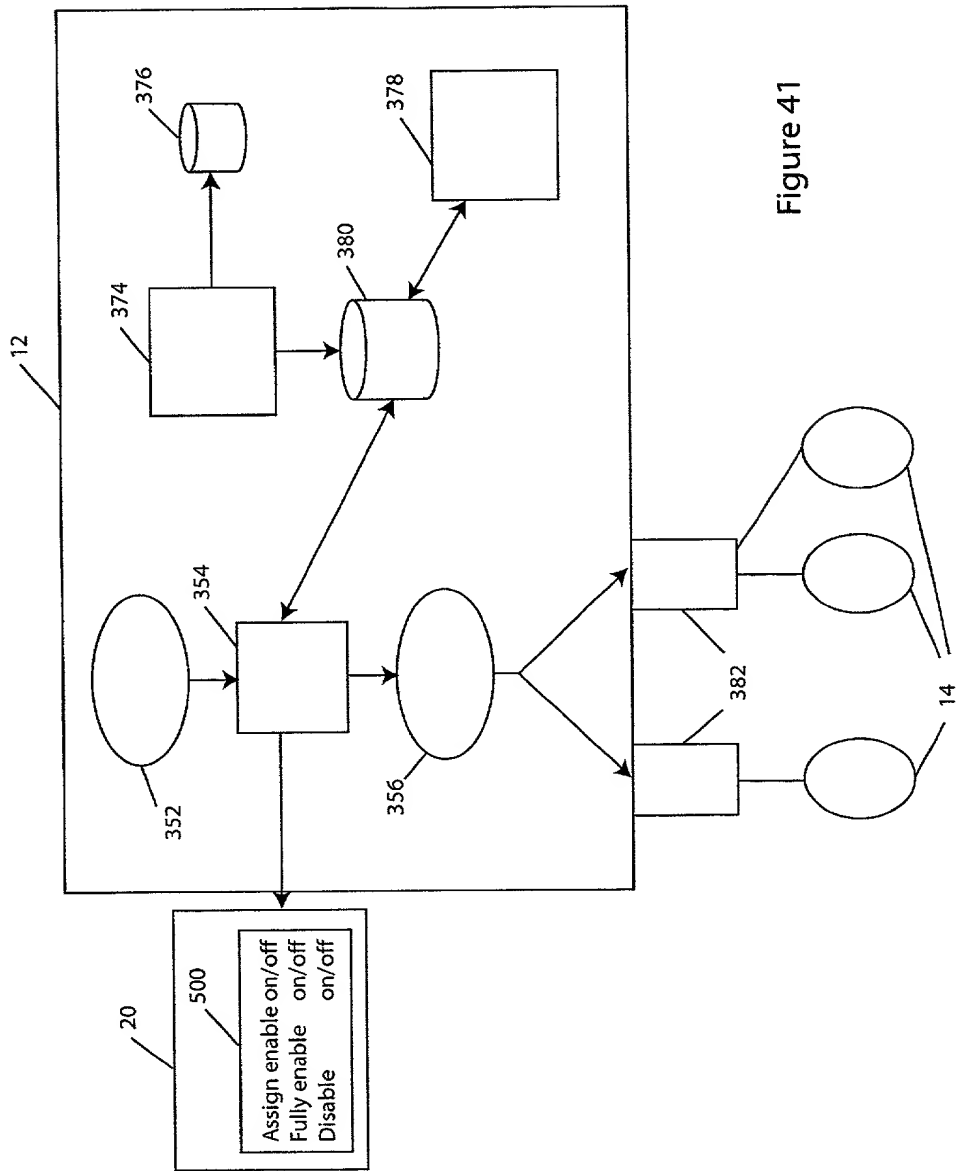


Figure 40



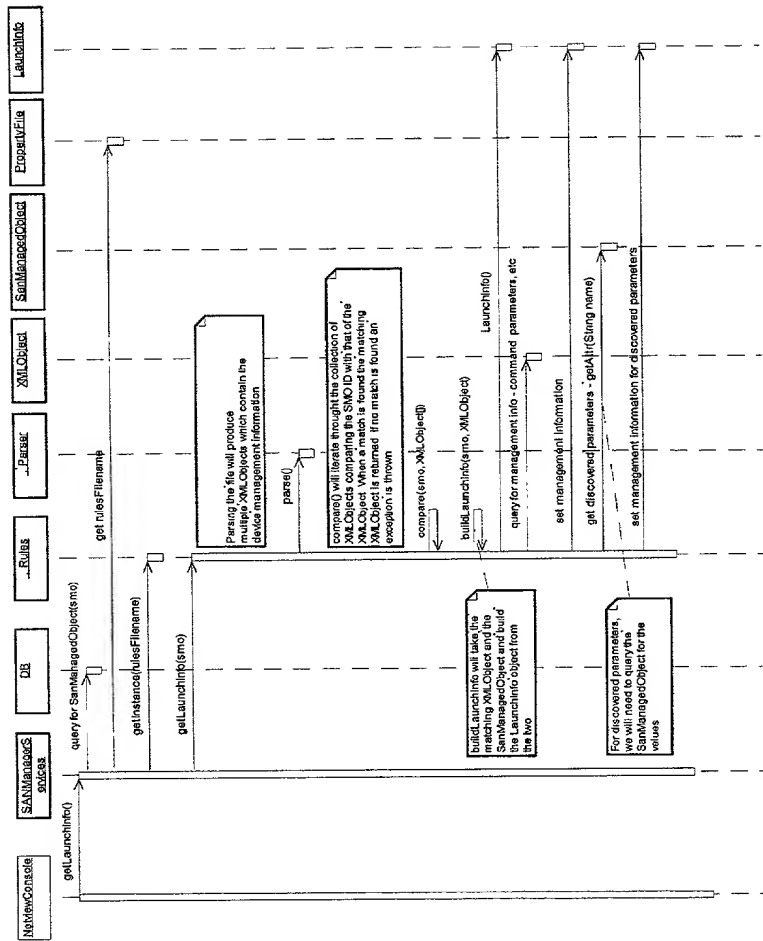


Figure 42

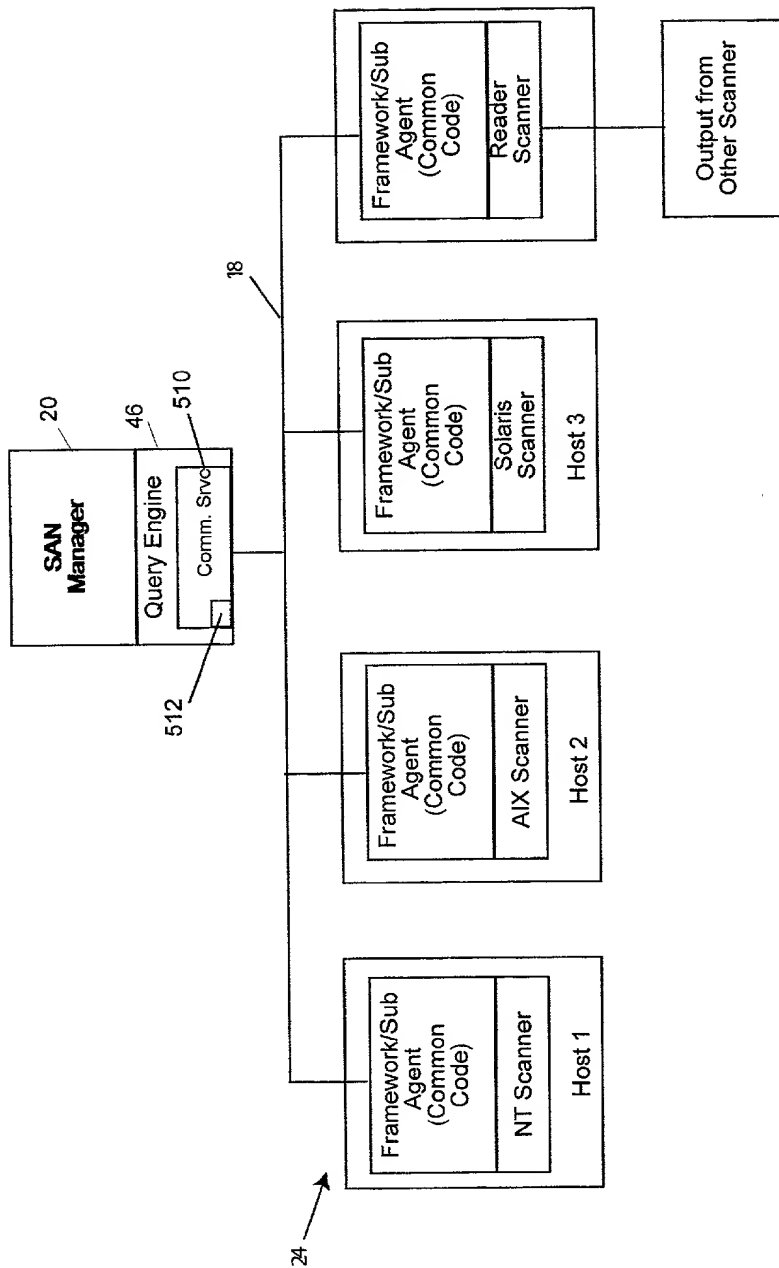


Figure 43